Sent: Thur 9/17/2015 6:07:03 PM Subject: RE: Methane related introductions
Zoe, thanks for the introduction and great meeting you ever so briefly last night!
Rob,
Thanks for the background. Glad to hear you have been in contact with the key people here at EPA! I work closely with Carey and Paul on the Natural Gas STAR Program. In fact, we are planning for our upcoming Natural Gas STAR Annual Implementation Workshop which will be held in Pittsburgh, PA the week of Nov. 16 th . The meeting will provide an update on the feedback we've received on the proposed Methane Challenge Program as well as envisioned future voluntary efforts under the Natural Gas STAR Program.
The meeting is our major forum to address the oil and natural gas sector. For additional information about this event please click on the links below:
http://www3.epa.gov/gasstar/documents/workshops/2015_annimp_exhibitorinfo.pdf
https://www.starwoodmeeting.com/events/start.action?id=1506027568&key=152C0C39
Most of my work is on the non-regulatory side, in support of the Methane Challenge effort and our coordination with other key stakeholders in the oil and natural gas sector.
All the best,

Rob McCulloch[robm@bluegreenalliance.org]; Zoe Lipman[zoel@bluegreenalliance.org] Blackman, Jerome

To: From:

•					
-1	eı	20	11	1	α
J			и.	ш	L

From: Rob McCulloch [mailto:robm@bluegreenalliance.org]

Sent: Thursday, September 17, 2015 1:40 PM

To: Zoe Lipman; Blackman, Jerome

Subject: RE: Methane related introductions

Zoe – thanks! And good to meet you Jerome – I suspect we have a few overlapping priorities!

Me and a few union colleagues (representing gas sector workers) just met with Paul Gunning and Joe Goffman two weeks ago to discuss the draft methane rule. We have a lot afoot with the upcoming hearings, developing technical comments and getting state folks engaged on CTGs. Also had a great conversation with Carey Bylin yesterday regarding EPA's Natural Gas Star program/downstream initiatives and interagency work on pipes with PHMSA. And all the above topics I'll also be presenting on at the national Interunion Gas Conference next week to get labor folks attending up to speed on EPA methane work.

Would love to hear what you're working on – the Climate Change division has been on my list to follow up with, especially as the rule enters the formal comment period. Would love to hear your thoughts, thanks!

500 500

Rob McCulloch

Director, Infrastructure Programs

BlueGreen Alliance

202.706.6908

From: Zoe Lipman

Sent: Thursday, September 17, 2015 10:44 AM To: 'blackman.jerome@epa.gov'; Rob McCulloch

Subject: Methane related introductions

Hello Jerome – Really good to chat at last nights reception.

Want to introduce you to my colleague Rob McCulloch (cc'd above) who, as I mentioned, handles all things methane and infrastructure in our shop, and particularly our program to speed repair of methane distribution pipelines. Rob, Jerome deals with methane and methane leakage in EPA's Air & Climate Change division.

Apologies if I've misrepresented either or both of your professional briefs, but close enough I hope that its worth connecting you directly.

Best,

Zoe Lipman

Senior Policy Advisor

BlueGreen Alliance

1020 19th Street NW, Suite 600

Washington, DC 20036

w. 202-706-6902



zoel@bluegreenalliance.org

To: Chelsea Harris[chelsea.harris@inflectionenergy.com]

From: Blackman, Jerome

Sent: Wed 8/26/2015 6:14:55 PM

Subject: RE: Gas Star Information MOU and Annual Report Form

Annual Report Production.pdf

ProductionMOU.pdf

Hi Chelsea,

I have attached both the **MOU** and **Annual Report** form for your review. Let me know if you have any further questions.

Please note that the **MOU** states, "EPA will only release information obtained from the partner company without prior authorization from that company if required to do so under the Freedom of Information Act, the Agency's regulations at 40 CFR part 2, subpart B, or other applicable law."

All the best,

Jerome

From: Chelsea Harris [mailto:chelsea.harris@inflectionenergy.com]

Sent: Tuesday, August 25, 2015 1:40 PM

To: Blackman, Jerome

Subject: Re: Gas Star Information

Hi Jerome,

Tried your office but no luck getting you. Please give me a ring when you have a moment as I would like to discuss the following:

1. Where can I find the reporting requirements for the Nat Gas Star program? Didn't see much online. If you could reply to this email and attach them, that would be ideal!

- 2. How do you monitor partners in this program?
- 3. What sort of record keeping do we have to have?
- Do you coordinate with the air division for this program? We are worried about double reporting.\
- 5. Would our company be open to the right to know act if we join?
- 6. How transparent do we have to be if we join?

Kind regards,

Chelsea Harris

Community Relations

INFLECTION ENERGY LLC

1099 18th St Denver, CO 80202

Office (303) 531 2314

Cell (b)(6) personal privacy

Chelsea.Harris@InflectionEnergy.com

From: Blackman, Jerome <Blackman.Jerome@epa.gov>

Sent: Tuesday, April 7, 2015 12:35 PM

To: Chelsea Harris

Subject: RE: Gas Star Information

Hi Chelsea,

My colleague, Suzie Waltzer, asked me to follow up with you. Please give me a call at your

convenience to discuss any questions about the Natural Gas STAR program.
Jerome
Jerome Blackman
U.S. EPA - Natural Gas STAR Program
Phone: 202-343-9630
Blackman.jerome@epa.gov
Private Mail Carrier Address (FedEx/UPS/DHL)
1201 Constitution Ave NW, Room Number 4353SS
Washington, DC 20004
Postal Address:
1200 Pennsylvania Ave., NW (6207A)
Washington DC 20460
From: Chelsea Harris [mailto:chelsea.harris@inflectionenergy.com] Sent: Tuesday, April 07, 2015 2:02 PM To: Waltzer, Suzanne Subject: Gas Star Information
Hi Suzie,
My company, Inflection Energy, is interested in possibly working with you to get the gas

star award. In reviewing the qualification documents we need more information on what the BMP 1 and pneumatic device information you need.

Thank you and let me know if you have additional questions.

Kind regards,

Chelsea Harris

Community Relations

1099 18th St Denver, CO 80202

Office (303) 531 2314

Cell (b)(6) personal privacy

chelsea.harris@inflectionenergy.com

OMB Control No. 2060-0328 Expires 09/30/2018

Annual Report 2015



Production Sector

O a mara a mara Na mara a a	
Company Name:	
Contact:	
Title:	
Address:	
City, State, Zip Code:	
Telephone:	
Fax:	
E-mail:	

Company Information

Annual Report Summary

		BMP 2: Install flash tank separators on glycol dehydrators Partner Reported Opportunities (please specify):
Desired account to the control of th		T
Period covered by report: Fro Partner Signature Required:	m:	To:

- Because the implementation of some technologies reduces emissions for multiple years, Natural Gas STAR allows certain activities to count towards a company's emission reductions beyond the initial year of implementation. Natural Gas STAR designates the maximum length of time that these reductions may accrue as "sunset dates." The Appendix lists these sunset dates. Companies can report the corresponding methane emission reductions each year up to the allowable sunset date. Or, companies may wish to report reductions only once for the implementation year, and have EPA automatically apply the sunset date and count those emissions for the allowable number of years.
- In addition to reporting methane emissions reductions, you are welcome to include other information about your company's participation in Natural Gas STAR in the "Additional Program Accomplishments" section of this form. The Natural Gas STAR Program will use any information entered in this section to recognize the efforts and accomplishments of outstanding partners.

EPA Form No. 5900-104



BMP 1: Identify and Replace High-Bleed Pneumatic Devices

Summary of Emission Reduction Activities

Please include aggregate information in this section for all locations. If multiple facilities/locations are represented, additional detail by specific facility/location can be provided in the table below.

A. Facility/location ide	entifier information: e here, otherwise use table	e below.)			
B. Project summary: Number of devices replaced: devices Percent of system now equipped with low/no-bleed units: %		es E	C. Cost summary: Estimated cost per replacement (including equipment and labor): \$ /replacement		
D. Methane emissions reduction: Mcf			E. Are these emissions reductions a one-year reduction or a multi-year reduction? One-year Multi-year If Multi-year: Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration (BMP 1 has a sunset period of 7 years). Partner will report this activity annually up to allowed sunset date.		
Please identify the I	basis for the emissions r	reduction est	imate, using	g the space provided to s	how any calculations
☐ Standard calculation		[☐ Calculatio	n using default	
devices being replaced	duction = [Annual emissions from I (in Mcf/yr) - Annual emissions fo n Mcf/yr)] x Number of devices re	or the r	Methane emissions reduction = 124 Mcf/yr x Number of devices replaced Other (please specify):		
Please specify you	ur data source:				
Field measuren					
O Manufacturer s	pecifications				
F. Total value of gas saved: Total value of gas saved = Methane emissions reduction (in Mcf) x Gas value (in \$/Mcf) [If not known, use default of \$3.50/Mcf]		in Mcf) x		y high-bleed o you plan to ext year?	_ devices
Optional: Additional de					
Facility/Location identifier Information	# Devices Replaced	Total C Replace (incl. equip labor	ements oment and	Estimated Reductions (Mcf/yr)	Value of Gas Saved (\$)

BMP 1 Comments: Please use the back of the page for additional space if needed.



BMP 2: Install Flash Tank Separators on Glycol Dehydrators

Summary of Emission Reduction Activities

Please include aggregate information in this section for all locations. If multiple facilities/locations are represented, additional detail by specific facility/location can be provided in the table below.

rejuressemieja, aldiditie	ntarkolojkajintojyesjojojeitileti	arenniy/ileleia	htiologicistaliais.	providad in the table of	319)W.
A. Facility/location id-	entifier information: e here, otherwise use table	e below.) -			
B. Project summary: Number of flash tank se installed: Percent of dehydrators i equipped with flash tank	tank separators separators trators in system		separator	ummary: cost per flash tank installation (including t and labor): \$	/installation
D. Methane emissions	reduction: Mcf			ese emissions reductions i-year reduction?	
			autom	rtner will report this activity of atically calculate future eminset date duration (BMP 2 h	ssion reductions based
			☐ Pa sunse	rtner will report this activity at tate.	annually up to allowed
Please identify the	basis for the emissions r	eduction e	stimate, using	g the space provided to sh	now any calculations
	duction per flash tank installation			n using default	
circulation rate (in gal/l hours of operation (in l	nr) x Methane entrainment rate (ii nrs/yr) x 0.90] / 1,000	n scf/gal)* x	Methane emissions reduction = [Average gas throughput (in MMcf/yr) x 170 scf/MMcf x 0.90] / 1,000		
*If methane entrainment known, use a defaution of 3 scf/gal for energy exchange pumps or 1 store electric pumps	ılt value		Other (ple	ase specify):	
Please specify you	ır data source:				
O Field measurer					
Manufacturer s	pecifications				
	aved: \$e Methane emissions reduction (i.e., own, use default of \$3.50/Mcf]	n Mcf) x Gas		y flash tank separators do to install next year? _	flash tank separators
Optional: Additional de	etails by location				
Facility/Location identifier Information	# Flash Tank Separators Installed	Repla (incl. equ	Cost of cements ipment and or) (\$)	Estimated Reductions (Mcf/yr)	Value of Gas Saved (\$)

BMP 2 Comments: Please use the back of the page for additional space if needed.



Partner Reported Opportunities (PROs) For more details on PROs, visit epa.gov/gasstar/tools/recommended.html

Summary of Emission Reduction Activities

Please include aggregate information in this section for all locations. If multiple facilities/locations are represented, additional detail by specific facility/location can be provided in the table below.

A. Facility/location ide (If only one location note	ntifier information: here, otherwise use table i	below.)			
	Please provide a separate parate page for each loc			each activity reported. If	reporting a DI&M
Please specify the technology or practice that was implemented (choose from the list in the appendix or describe your own):			Please de activity:	scribe how your company ir	nplemented this
C. Level of Implementation (check one): Number of units installed: units Frequency of practice: times/year			D. Are emissions reductions a one-year reduction or a multi-year reduction? One-year Multi-year If Multi-year: Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration*. Partner will report this activity annually up to allowed		
E. Methane emissions reduction: Mcf			F. Cost summary: Estimated cost of implementing this practice/activity (including equipment and labor): \$		
Please identify the b	asis for the emissions re	duction estin	nate, using	the space provided to sho	w any calculations
Actual field measurem	ent		☐ Other (please specify):		
Calculation using man	ufacturer specifications/ot	her source			
	ved: \$ Methane emissions reduction (in of known, use default of \$3.50/Me			t extent do you expect to e next year?	implement this
Optional: Additional de	tails by location				
Facility/Location identifier Information	Frequency of Practice/Activity/# of Installations	Total Co Replace (incl. equip labor)	ments ment and	Estimated Reductions (Mcf/yr)	Value of Gas Saved (\$)
PRO Comments: Please	e use the back of the page	e for additional	space if nee	eded.	

^{*}Because the implementation of some technologies reduces emissions for multiple years, Natural Gas STAR allows certain activities to count towards a company's emission reductions beyond the initial year of implementation. Natural Gas STAR designates the maximum length of time that these reductions may accrue as "sunset dates." The Appendix lists these sunset dates. Companies can report the corresponding methane emission reductions each year up to the allowable sunset date. Or, companies may wish to report reductions only once for the implementation year, and have EPA automatically apply the sunset date and count those emissions for the allowable number of years.



		Previous Year			OTABB
Vse the ta	BMP 1 Identify and Replace High- Bleed Pneumatic Devices	# Devices Replaced	Total Cost of Replacements (incl. equipment and labor) (\$)	Estimated Reductions (Mcf/yr)	Value of Gas Saved (\$)
Year	BMP 2 Install Flash Tank Separators on Glycol Dehydrators	# Flash Tank Separators Installed	Total Cost of Installation (incl. equipment and labor) (\$)	Estimated Reductions (Mcf/yr)	Value of Gas Saved (\$)
Year	PRO/Activity	Frequency of Practice/Activity or # of Installations	Total Cost of Practice/Activity (incl. equipment and labor) (\$)	Estimated Reductions (Mcf/yr)	Value of Gas Saved (\$)



Additional Accomplishments:

Additional Program Accomplishments

The Natural Gas STAR Program will use any information entered here to recognize the efforts and achievements of outstanding partners.

Please include any additional information you would like to share about your company's participation in Natural Gas STAR. Examples may include:

- Activities to strengthen your program (e.g., training/education, innovative technologies or activities, pilot projects, employee incentive programs).
- Efforts to communicate your participation and successes (e.g., internal newsletters, press releases, company website).
- Participation in Natural Gas STAR program activities (e.g., contributions to case studies, presentation at annual workshop).

Additional Accomplishments Comments:	Please use the back of th	e page for additional space	e if needed



Appendix

Methane Emission Reduction Technologies & Practices— Production Sector

The list below describes a variety of methane emission reduction technologies that Natural Gas STAR partners in the production sector have implemented and reported to Natural Gas STAR. You may use this list as a guide when completing your annual report. Sunset dates (i.e., the length of time a technology or practice can continue to accrue emission reductions after implemented) are one year in duration unless otherwise noted in parentheses. An asterisk (*) indicates that a technical document related to the technology or practice is available online at epa.gov/gasstar/tools/recommended.html.

Compressors/Engines

- Automate compressor systems operation to reduce venting
- Catalytic converter installation (10 years)
- Convert to low pressure compressor starters (10 years)
- Eliminate unnecessary equipment and/or systems*
- Increase compression capacity to reduce venting/flaring
- Install automated air/fuel ratio controls (10 years)*
- Install electric compressors (10 years)*
- Install electric motors (10 years)
- Install electric motor starters (10 years)*
- Install lean burn compressor (10 years)
- Lower compressor purge pressure for shutdown
- Perform gas recovery using slipstream (10 years)
- Redesign blowdown/alter ESD practices*
- Reduce emissions when taking compressors offline*
- Reduce gas venting with fewer compressor engine startups and improved engine ignition*
- Replace compressor cylinder unloaders (10 years)*
- Replace gas starters with air or nitrogen (10 years)*
- Turbine fuel use optimization

Dehydrators

- Convert pneumatics to mechanical controls (10 years)*
- Install condensers on glycol dehydrators (10 years)
- Install flash tank separators on glycol dehydrators (10 years)*
- Reduce glycol circulation rates in dehydrators*
- Replacing glycol dehydrators with desiccant dehydrators (10 years)*
- Reroute dehydrator/tank vents to flare or station suction (10 years)*
- Reroute glycol skimmer gas*
- Shutdown glycol dehydrator stripping gas in winter
- Use rich glycol in glycol pumps

Directed Inspection and Maintenance

- DI&M at compressor stations*
- DI&M: leak detection using IR camera/optical imaging*

- DI&M: leak detection using lower emission threshold
- DI&M: survey and repair leaks*

Pipelines

- Inject blowdown gas into low pressure mains or fuel gas system*
- Pipeline replacement and repair
- Use hot taps for in-service pipeline connections*
- Use pipeline pump-down techniques to lower gas line pressure before maintenance*

Pneumatics/Controls

- Capture/use gas released from gas-operated pneumatic pumps
- Convert gas pneumatic controls to instrument air (10 years)*
- Convert natural gas-driven chemical pumps (10 years)*
- Convert pneumatics to mechanical controls (10 years)*
- Identify and replace high-bleed pneumatic devices (7 years)*
- Install controllers on gas-assisted methanol pump (10 years)
- Install/convert gas powered separators to solar powered separators (10 years)
- Install no bleed controllers (10 years)
- Install non-venting dump controllers (10 years)
- Reduce gas pressure on pneumatic devices
- Reduce venting from unlit pilot: install electronic safety devices (10 years)*
- Replace bi-directional orifice meter with ultrasonic meters*
- Replace chemical pumps with electronic flow controllers (10 years)
- Use add-on controls to reduce emissions from pneumatics (10 years)

Tanks

- Change out vent pallet (10 years)
- Convert water tank blanket from natural gas to CO₂ (10 years)*
- Eliminate unnecessary equipment and/or systems*

Appendix (continued)

Tanks

- Install evactors (10 years)
- Install flash gas compressors (10 years)
- Install hydrocarbon liquid stabilizer (10 years)
- Install pressurized storage of condensate (10 years)*
- Install vapor recovery units (VRUs) on storage tanks (10 years)*
- Install VRUs on pipeline liquid/condensate tanks (10 years)
- Recover gas during condensate loading*
- Reduce excess blanket gas blow-by to the atmosphere
- Replace leaking above-ground tanks (10 years)
- Route gas to compressor suction/blowcase vessel (10 years)
- Use protective tank coatings to reduce leaks (10 years)

Valves

- Heat tracing to prevent control valves from freezing open
- Install BASO® valves (10 years)*
- Install plugs on valves and open ended lines (10 years)
- Test and repair pressure safety valves*

Wells

- Artificial lift: gas lift (10 years)
- Artificial lift: install plunger lifts (10 years)*
- Artificial lift: install pumpjacks or rod pumps on gas wells (10 years)*
- Artificial lift: install smart lift automated systems on gas wells (10 years)*
- Artificial lift: install velocity tubing strings (10 years)*
- Artificial lift: pressure swabbing
- Artificial lift: use capillary strings (10 years)

- Artificial lift: use compression (10 years)
- Artificial lift: use pumping unit (10 years)
- Artificial lift: use to reduce blowdown in gas wells (10 years)*
- Install automated shut-in cycle units to reduce well venting (10 years)
- Install flash tank separator on water gathering system (10 years)
- Install pumps for separators (10 years)
- Install snubbing unit at wellhead
- Install soap launcher/soap unit (10 years)
- Lower heater-treater temperature
- Optimize gas well unloading times
- Perform reduced emissions completions for hydraulically fractured natural gas wells*
- Route casinghead gas to VRU or compressor (10 years)*
- Use foaming agents to reduce blowdown frequency*

Other

- Capture and use waste heat to reduce gas usage and emissions
- Convert natural gas-fired generator to solar power (10 years)
- Flare reduction program
- Improve system design/operation
- Install flares (10 years)*
- Install pilotless burner controls (10 years)
- Install purge reducer on flare (10 years)
- Nitrogen rejection unit optimization*
- Recover gas from separators
- Re-inject gas for enhanced oil recovery
- Re-inject gas into crude
- Replace aged heaters with new efficient gas fired heaters (10 years)

Mailing Information:

Standard Mail:

The Natural Gas STAR Program U.S. EPA (6207J) 1200 Pennsylvania Ave, NW Washington, DC 20460 U.S.A.

Express/Overnight Mail:
The Natural Gas STAR Program
U.S. EPA (6207J)
1310 L Street, NW
Washington, DC 20005
U.S.A.

The public reporting and recordkeeping burden for this collection of information is estimated to average 60 hours for each new response and 87 hours for subsequent responses. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.



The Natural Gas STAR Program is a flexible, non-regulatory partnership between EPA and the oil and natural gas industry aimed at demonstrating the cost-effectiveness and environmental benefits of methane emission reduction apportunities.

The recommended Natural Gas STAR Best Management Practices (BMPs) for Production Companies have been jointly identified by EPA and the industry as cost-effective options for reducing methane emissions.

Partner Reported Opportunities (PROs) are additional methane emission reduction options reported by partner companies, PROs can reduce gas loss, increase profits, and improve operational efficiency.

Best Management Practices

- Identify and replace high-bleed pneumatic devices.
- Install flash tank separators on glycel dehydrators.

Partner Reported Opportunities

 Identify and implement other cost-effective methane emission reduction management technologies and practices.

Please fax this form to:

EPA Natural Gas STAR Program c/o Jerome Blackman Fax: (202) 343-2342

EPA Form No. 5900-105

NATURAL GAS STAR PROGRAM: MEMORANDUM OF UNDERSTANDING FOR PRODUCTION COMPANIES

his is a voluntary agreement between	
and the U.S. Environmental Protection Agency (atmosphere by implementing cost-effective emiss	EPA) for the purpose of reducing methane releases to the sion reduction technologies and practices.
Authorized Company Representative:	(name)
Signature:	Date:
Paul Gunning: Director, Climate Change Divisi	ion, U.S. Environmental Protection Agency
Signature:	Date:
Partner's Designated Natural Gas STAR Imp	
Name:	
Title:	
1ddress:	
_ity/State/Lip:	
^r elephone/Fax:	E-mail:
Partner's Media Liaison/Public Relations Ma	nager:
Name:	
Title:	
1ddress:	
City/State/Zip:	
Telephone/Fax:	E-mail:

EPA's Responsibilities

- 1. Assign a STAR Service Representative responsible for assisting the partner in implementing the Program.
- 2. Assist partners with Program implementation by: (1) analyzing emerging technologies and practices; (2) developing workshops and training courses; and (3) assisting in the removal of regulatory barriers to implementing Program BMPs, when appropriate.
- 3. Provide partners with public recognition for their commitment to the Program through advertisements, press releases, articles, and awards.
- 4. Recognize partners for methane emission reductions achieved before joining the Program, back to 1990.
- 5. EPA will only release information obtained from the partner company without prior authorization from that company if required to do so under the Freedom of Information Act, the Agency's regulations at 40 CFR part 2, subpart B, or other applicable law.

Natural Gas STAR Partner's Responsibilities

- 1. Appoint a company representative as the Natural Gas STAR Program Implementation Manager responsible for implementing this voluntary agreement.
- 2. Submit an implementation plan within one year of signing this agreement outlining expected activities and scope of implementation.
- 8. Implement, within three years, applicable BMPs and PROs at facilities in the United States as outlined in the implementation plan when cost-effective (as defined by the partner).
- 4. Submit annual reports describing the BMPs and PROs implemented, the cost of implementation, and the associated methane emissions reductions. Annual reports must be signed to certify the accuracy of data contained in the report.
- 5. Communicate participation to employees and cooperate with EPA efforts to publicize the Program.

General Terms

- 1. This agreement can be terminated by either party at any time, with no notice or penalties and no further obligation. EPA agrees not to publicize a partner's withdrawal from the Program.
- 2. The partner agrees that the activities it undertakes connected with this MOU are not intended to provide services to the federal government and that the partner will not seek compensation from a federal agency.
- 3. The partner agrees that it will not claim or imply that its participation in the Program constitutes EPA approval or endorsement of anything other than the commitment to the Program.
- The partner must report the previous year's emission reduction activities annually. If a partner does not submit an annual report, the Natural Gas STAR Program will initiate a three step removal process. Details of this process can be provided upon request.

The public reporting and recordkeeping burden for this collection of information is estimated to average 38 hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

To: Swonger, Chris (CWDC)[chris.swonger@smiths.com]

Cc: Franklin, Pamela[Franklin.Pamela@epa.gov]; Bylin, Carey[Bylin.Carey@epa.gov]; Waltzer, Suzanne[Waltzer.Suzanne@epa.gov]; Riegner, Sarah (CWDC)[sarah.riegner@smiths.com]; Hosking, Paul (JMOR)[PAHosking@johncrane.com]; Savage, Mark (JCRA)[MSAVAGE@johncrane.com]

From: Blackman, Jerome

Sent: Tue 8/25/2015 7:55:43 PM

Subject: RE: meeting request

Hi Chris,

That should be no problem. See you on Thursday, just call me from the lobby when you arrive.

Jerome

----Original Message----

From: Swonger, Chris (CWDC) [mailto:chris.swonger@smiths.com]

Sent: Tuesday, August 25, 2015 3:54 PM

To: Blackman, Jerome

Cc: Franklin, Pamela; Bylin, Carey; Waltzer, Suzanne; Riegner, Sarah (CWDC); Hosking, Paul (JMOR);

Savage, Mark (JCRA)

Subject: RE: meeting request

----- INTERNAL ------

Jerome -

First and foremost, thank you again for your time on Thursday morning at 10:00 a.m.. My colleagues Paul Hosking and Mark Savage, John Crane look forward to having the opportunity to visit with you.

As mentioned, we would like to take the opportunity to showcase the life cycle cost calculator (LCC) that we have designed to help our end customers understand the various value propositions that they can consider in addressing methane emissions for wet seals on centrifugal compressors. As the EPA Gas Star "Methane Challenge" program gets started, the LCC might be an unique tool for consideration.

Ideally, we would like to be able to project the LCC on a screen if that is possible. If you happen to have a projector, we could use, that would be ideal. Thanks for your consideration and we look forward to seeing on Thursday morning at 10:00 a.m.

Chris

----Original Message----

From: chris.swonger@smiths.com

Sent: Monday, August 10, 2015 4:09 PM

To: Blackman, Jerome

Cc: Franklin, Pamela; Bylin, Carey; Waltzer, Suzanne; Riegner, Sarah (CWDC)

Subject: RE: meeting request

Jerome -

We will plan accordingly and I will reaffirm our attendees when we get closer to the meeting date. Thanks for your time.

Chris

Chris Swonger SVP, Global Government Relations Smiths Group 425 Third Street, SW Suite 875 Washington, DC 20024 (202) 777-8447 (office) (202) 258-5777 (mobile) chris.swonger@smiths.com

----Original Message-----

From: Blackman, Jerome [mailto:Blackman.Jerome@epa.gov]

Sent: Monday, August 10, 2015 3:46 PM

To: Swonger, Chris (CWDC)

Cc: Franklin, Pamela; Bylin, Carey; Waltzer, Suzanne; Riegner, Sarah (CWDC)

Subject: RE: meeting request

Chris,

10:00 a.m. on August 27 should work. Our offices are located at 1201 Constitution Ave NW. Please have the guard call me from the lobby when you arrive.

Jerome 202-343-9630

----Original Message-----

From: Swonger, Chris (CWDC) [mailto:chris.swonger@smiths.com]

Sent: Monday, August 10, 2015 12:21 PM

To: Blackman, Jerome

Cc: Franklin, Pamela; Bylin, Carey; Waltzer, Suzanne; Riegner, Sarah (CWDC)

Subject: RE: meeting request

Hi Jerome -

Thanks for the come back.

Would at a meeting on Thursday, August 27th work at 10:00 a.m. My colleagues, Mark Savage and Paul Hosking, John Crane would plan to travel in and join us for the meeting. If that works, Sarah, (copied) can send a calendar invite? If I recall correctly, your offices are now in the EPA bldg. offices right?

Chris

Chris Swonger SVP, Global Government Relations Smiths Group 425 Third Street, SW Suite 875 Washington, DC 20024 (202) 777-8447 (office) (202) 258-5777 (mobile)

chris.swonger@smiths.com

----Original Message-----

From: Blackman, Jerome [mailto:Blackman.Jerome@epa.gov]

Sent: Monday, August 10, 2015 10:20 AM

To: Swonger, Chris (CWDC)

Cc: Franklin, Pamela; Bylin, Carey; Waltzer, Suzanne

Subject: RE: meeting request

Hi Chris,

How's the week of Aug. 24th for you? Any day except that Friday would work for most of us here. Please suggest a date for that week and I will coordinate.

Jerome

----Original Message-----

From: Swonger, Chris (CWDC) [mailto:chris.swonger@smiths.com]

Sent: Friday, August 07, 2015 10:06 AM To: Blackman, Jerome; Bylin, Carey

Cc: Riegner, Sarah (CWDC); Hosking, Paul (JMOR); Savage, Mark (JCRA)

Subject: RE: meeting request

Thanks Jerome. Have a great weekend and we will be on standby.

Chris

Chris Swonger SVP, Global Government Relations Smiths Group 425 Third Street, SW Suite 875 Washington, DC 20024 (202) 777-8447 (office) (202) 258-5777 (mobile) chris.swonger@smiths.com

----Original Message----

From: Blackman, Jerome [mailto:Blackman.Jerome@epa.gov]

Sent: Friday, August 07, 2015 10:01 AM To: Swonger, Chris (CWDC); Bylin, Carey

Cc: Riegner, Sarah (CWDC); Hosking, Paul (JMOR); Savage, Mark (JCRA)

Subject: RE: meeting request

Hi Chris,

Let me check schedules here and get back to you.

Thanks,

Jerome

----Original Message-----

From: Swonger, Chris (CWDC) [mailto:chris.swonger@smiths.com]

Sent: Thursday, August 06, 2015 4:52 PM

To: Blackman, Jerome; Bylin, Carey

Cc: Riegner, Sarah (CWDC); Hosking, Paul (JMOR); Savage, Mark (JCRA)

Subject: meeting request

Hi Jerome and Carey -

Hope you all are both well.

If you have time in August, on behalf of the Fluid Sealing Association, I would like to arrange a meeting to discuss the recently released "Methane Challenge".

Additionally, we have been working on a life cycle cost calculator for the centrifugal compressor issue and methane emissions that we would like to share. Paul Hosking and Mark Savage (copied) would join me for the meeting as well.

I have copied Sarah and she can work to help find a mutually convenient time to meet. Thanks for your time and consideration. We look forward to seeing you both soon.

Chris

Chris Swonger SVP, Global Government Relations Smiths Group 425 Third Street, SW Suite 875 Washington, DC 20024 (202) 777-8447 (office) (202) 258-5777 (mobile) chris.swonger@smiths.com From: Blackman, Jerome

Location: EPA; 1201 Constitution Ave NW (Have the guard call Jerome upon arrival)

Importance: Normal

Subject: Tentative: FSA Meeting with EPA - Methane Challenge & Life Cycle Calculator **Start Date/Time:** Thur 8/27/2015 2:00:00 PM

Start Date/Time: Thur 8/27/2015 2:00:00 PM **End Date/Time:** Thur 8/27/2015 3:00:00 PM

To: Swonger, Chris (CWDC)[chris.swonger@smiths.com]

From: Blackman, Jerome

Sent: Mon 8/10/2015 8:20:43 PM

Subject: RE: meeting request

Sounds good.

----Original Message-----

From: Swonger, Chris (CWDC) [mailto:chris.swonger@smiths.com]

Sent: Monday, August 10, 2015 4:09 PM

To: Blackman, Jerome

Cc: Franklin, Pamela; Bylin, Carey; Waltzer, Suzanne; Riegner, Sarah (CWDC)

Subject: RE: meeting request

Jerome -

We will plan accordingly and I will reaffirm our attendees when we get closer to the meeting date. Thanks for your time.

Chris

Chris Swonger SVP, Global Government Relations Smiths Group 425 Third Street, SW Suite 875 Washington, DC 20024 (202) 777-8447 (office) (202) 258-5777 (mobile) chris.swonger@smiths.com

----Original Message-----

From: Blackman, Jerome [mailto:Blackman.Jerome@epa.gov]

Sent: Monday, August 10, 2015 3:46 PM

To: Swonger, Chris (CWDC)

Cc: Franklin, Pamela; Bylin, Carey; Waltzer, Suzanne; Riegner, Sarah (CWDC)

Subject: RE: meeting request

Chris,

10:00 a.m. on August 27 should work. Our offices are located at 1201 Constitution Ave NW. Please have the guard call me from the lobby when you arrive.

Jerome 202-343-9630

----Original Message-----

From: Swonger, Chris (CWDC) [mailto:chris.swonger@smiths.com]

Sent: Monday, August 10, 2015 12:21 PM

To: Blackman, Jerome

Cc: Franklin, Pamela; Bylin, Carey; Waltzer, Suzanne; Riegner, Sarah (CWDC)

Subject: RE: meeting request

Hi Jerome -

Thanks for the come back.

Would at a meeting on Thursday, August 27th work at 10:00 a.m. My colleagues, Mark Savage and Paul Hosking, John Crane would plan to travel in and join us for the meeting. If that works, Sarah, (copied) can send a calendar invite? If I recall correctly, your offices are now in the EPA bldg. offices right?

Chris

Chris Swonger SVP, Global Government Relations Smiths Group 425 Third Street, SW Suite 875 Washington, DC 20024 (202) 777-8447 (office) (202) 258-5777 (mobile) chris.swonger@smiths.com

----Original Message-----

From: Blackman, Jerome [mailto:Blackman.Jerome@epa.gov]

Sent: Monday, August 10, 2015 10:20 AM

To: Swonger, Chris (CWDC)

Cc: Franklin, Pamela; Bylin, Carey; Waltzer, Suzanne

Subject: RE: meeting request

Hi Chris,

How's the week of Aug. 24th for you? Any day except that Friday would work for most of us here. Please suggest a date for that week and I will coordinate.

Jerome

----Original Message-----

From: Swonger, Chris (CWDC) [mailto:chris.swonger@smiths.com]

Sent: Friday, August 07, 2015 10:06 AM To: Blackman, Jerome; Bylin, Carey

Cc: Riegner, Sarah (CWDC); Hosking, Paul (JMOR); Savage, Mark (JCRA)

Subject: RE: meeting request

Thanks Jerome. Have a great weekend and we will be on standby.

Chris

Chris Swonger SVP, Global Government Relations Smiths Group 425 Third Street, SW Suite 875 Washington, DC 20024 (202) 777-8447 (office) (202) 258-5777 (mobile) chris.swonger@smiths.com

----Original Message-----

From: Blackman, Jerome [mailto:Blackman.Jerome@epa.gov]

Sent: Friday, August 07, 2015 10:01 AM To: Swonger, Chris (CWDC); Bylin, Carey

Cc: Riegner, Sarah (CWDC); Hosking, Paul (JMOR); Savage, Mark (JCRA)

Subject: RE: meeting request

Hi Chris,

Let me check schedules here and get back to you.

Thanks,

Jerome

----Original Message----

From: Swonger, Chris (CWDC) [mailto:chris.swonger@smiths.com]

Sent: Thursday, August 06, 2015 4:52 PM

To: Blackman, Jerome; Bylin, Carey

Cc: Riegner, Sarah (CWDC); Hosking, Paul (JMOR); Savage, Mark (JCRA)

Subject: meeting request

Hi Jerome and Carey -

Hope you all are both well.

If you have time in August, on behalf of the Fluid Sealing Association, I would like to arrange a meeting to discuss the recently released "Methane Challenge".

Additionally, we have been working on a life cycle cost calculator for the centrifugal compressor issue and methane emissions that we would like to share. Paul Hosking and Mark Savage (copied) would join me for the meeting as well.

I have copied Sarah and she can work to help find a mutually convenient time to meet. Thanks for your time and consideration. We look forward to seeing you both soon.

Chris

Chris Swonger SVP, Global Government Relations Smiths Group 425 Third Street, SW Suite 875 Washington, DC 20024 (202) 777-8447 (office) (202) 258-5777 (mobile) chris.swonger@smiths.com To: Swonger, Chris (CWDC)[chris.swonger@smiths.com]

Cc: Franklin, Pamela[Franklin.Pamela@epa.gov]; Bylin, Carey[Bylin.Carey@epa.gov]; Waltzer,

Suzanne[Waltzer.Suzanne@epa.gov]; Riegner, Sarah (CWDC)[sarah.riegner@smiths.com]

From: Blackman, Jerome

Sent: Mon 8/10/2015 7:46:06 PM

Subject: RE: meeting request

Chris,

10:00 a.m. on August 27 should work. Our offices are located at 1201 Constitution Ave NW. Please have the guard call me from the lobby when you arrive.

Jerome 202-343-9630

----Original Message-----

From: Swonger, Chris (CWDC) [mailto:chris.swonger@smiths.com]

Sent: Monday, August 10, 2015 12:21 PM

To: Blackman, Jerome

Cc: Franklin, Pamela; Bylin, Carey; Waltzer, Suzanne; Riegner, Sarah (CWDC)

Subject: RE: meeting request

Hi Jerome -

Thanks for the come back.

Would at a meeting on Thursday, August 27th work at 10:00 a.m. My colleagues, Mark Savage and Paul Hosking, John Crane would plan to travel in and join us for the meeting. If that works, Sarah, (copied) can send a calendar invite? If I recall correctly, your offices are now in the EPA bldg. offices right?

Chris

Chris Swonger SVP, Global Government Relations Smiths Group 425 Third Street, SW Suite 875 Washington, DC 20024 (202) 777-8447 (office) (202) 258-5777 (mobile) chris.swonger@smiths.com

----Original Message-----

From: Blackman, Jerome [mailto:Blackman.Jerome@epa.gov]

Sent: Monday, August 10, 2015 10:20 AM

To: Swonger, Chris (CWDC)

Cc: Franklin, Pamela; Bylin, Carey; Waltzer, Suzanne

Subject: RE: meeting request

Hi Chris.

How's the week of Aug. 24th for you? Any day except that Friday would work for most of us here. Please suggest a date for that week and I will coordinate.

Jerome

----Original Message-----

From: Swonger, Chris (CWDC) [mailto:chris.swonger@smiths.com]

Sent: Friday, August 07, 2015 10:06 AM To: Blackman, Jerome; Bylin, Carey

Cc: Riegner, Sarah (CWDC); Hosking, Paul (JMOR); Savage, Mark (JCRA)

Subject: RE: meeting request

Thanks Jerome. Have a great weekend and we will be on standby.

Chris

Chris Swonger SVP, Global Government Relations Smiths Group 425 Third Street, SW Suite 875 Washington, DC 20024 (202) 777-8447 (office) (202) 258-5777 (mobile) chris.swonger@smiths.com

----Original Message-----

From: Blackman, Jerome [mailto:Blackman.Jerome@epa.gov]

Sent: Friday, August 07, 2015 10:01 AM To: Swonger, Chris (CWDC); Bylin, Carey

Cc: Riegner, Sarah (CWDC); Hosking, Paul (JMOR); Savage, Mark (JCRA)

Subject: RE: meeting request

Hi Chris,

Let me check schedules here and get back to you.

Thanks.

Jerome

----Original Message-----

From: Swonger, Chris (CWDC) [mailto:chris.swonger@smiths.com]

Sent: Thursday, August 06, 2015 4:52 PM

To: Blackman, Jerome; Bylin, Carey

Cc: Riegner, Sarah (CWDC); Hosking, Paul (JMOR); Savage, Mark (JCRA)

Subject: meeting request

Hi Jerome and Carey -

Hope you all are both well.

If you have time in August, on behalf of the Fluid Sealing Association, I would like to arrange a meeting to discuss the recently released "Methane Challenge".

Additionally, we have been working on a life cycle cost calculator for the centrifugal compressor issue and methane emissions that we would like to share. Paul Hosking and Mark Savage (copied) would join me for the meeting as well.

I have copied Sarah and she can work to help find a mutually convenient time to meet. Thanks for your time and consideration. We look forward to seeing you both soon.

Chris

Chris Swonger SVP, Global Government Relations Smiths Group 425 Third Street, SW Suite 875 Washington, DC 20024 (202) 777-8447 (office) (202) 258-5777 (mobile) chris.swonger@smiths.com To: Swonger, Chris (CWDC)[chris.swonger@smiths.com]

Cc: Franklin, Pamela[Franklin.Pamela@epa.gov]; Bylin, Carey[Bylin.Carey@epa.gov]; Waltzer,

Suzanne[Waltzer.Suzanne@epa.gov]

From: Blackman, Jerome

Sent: Mon 8/10/2015 2:19:49 PM

Subject: RE: meeting request

Hi Chris,

How's the week of Aug. 24th for you? Any day except that Friday would work for most of us here. Please suggest a date for that week and I will coordinate.

Jerome

----Original Message----

From: Swonger, Chris (CWDC) [mailto:chris.swonger@smiths.com]

Sent: Friday, August 07, 2015 10:06 AM To: Blackman, Jerome; Bylin, Carey

Cc: Riegner, Sarah (CWDC); Hosking, Paul (JMOR); Savage, Mark (JCRA)

Subject: RE: meeting request

Thanks Jerome. Have a great weekend and we will be on standby.

Chris

Chris Swonger SVP, Global Government Relations Smiths Group 425 Third Street, SW Suite 875 Washington, DC 20024 (202) 777-8447 (office) (202) 258-5777 (mobile) chris.swonger@smiths.com

----Original Message-----

From: Blackman, Jerome [mailto:Blackman.Jerome@epa.gov]

Sent: Friday, August 07, 2015 10:01 AM To: Swonger, Chris (CWDC); Bylin, Carey

Cc: Riegner, Sarah (CWDC); Hosking, Paul (JMOR); Savage, Mark (JCRA)

Subject: RE: meeting request

Hi Chris,

Let me check schedules here and get back to you.

Thanks,

Jerome

----Original Message-----

From: Swonger, Chris (CWDC) [mailto:chris.swonger@smiths.com]

Sent: Thursday, August 06, 2015 4:52 PM

To: Blackman, Jerome; Bylin, Carey

Cc: Riegner, Sarah (CWDC); Hosking, Paul (JMOR); Savage, Mark (JCRA)

Subject: meeting request

Hi Jerome and Carey -

Hope you all are both well.

If you have time in August, on behalf of the Fluid Sealing Association, I would like to arrange a meeting to discuss the recently released "Methane Challenge".

Additionally, we have been working on a life cycle cost calculator for the centrifugal compressor issue and methane emissions that we would like to share. Paul Hosking and Mark Savage (copied) would join me for the meeting as well.

I have copied Sarah and she can work to help find a mutually convenient time to meet. Thanks for your time and consideration. We look forward to seeing you both soon.

Chris

Chris Swonger SVP, Global Government Relations Smiths Group 425 Third Street, SW Suite 875 Washington, DC 20024 (202) 777-8447 (office) (202) 258-5777 (mobile) chris.swonger@smiths.com To: Douglas Jordan[Douglas_Jordan@SWN.COM]

Cc: Bylin, Carey[Bylin.Carey@epa.gov]; Waltzer, Suzanne[Waltzer.Suzanne@epa.gov]; Scott

Bartos[Bartos.Scott@epa.gov]
From: Blackman, Jerome

Sent: Thur 7/30/2015 4:44:08 PM

Subject: RE: CALL FOR ABSTRACTS DEADLINE REMINDER- 2015 Natural Gas STAR

Implementation Workshop

Thanks so much, Doug. I will share your presentation ideas with the team and get back to you with our preference. I think there are all great suggestions.

Cheers,

Jerome

From: Douglas Jordan [mailto:Douglas_Jordan@SWN.COM]

Sent: Thursday, July 30, 2015 11:48 AM

To: Blackman, Jerome

Subject: RE: CALL FOR ABSTRACTS DEADLINE REMINDER- 2015 Natural Gas STAR

Implementation Workshop

Jerome, below are the two "presentations" that I thought may be of interest for the NG STAR Implementation Workshop. The SWN Methane Reduction Initiatives-Update would essentially be a summary of the topics listed but not going into great detail (more the highlights). And ONE Future would be a more detailed presentation/overview of the program. Of course, with the exception of the "new technologies" topic, I could go into more detail on the Methane Measurement Studies and /or Methane Detection as "stand alone" presentations. What do you think

- New Technologies (well not really new, but kind of new)
- Fuel Cell Project
- Duel Fuel Drill Rigs
- o Methane Measurement Studies

- UT Production Sector
- CSU Gathering and Processing Sector
- o Methane Detection
- SWN SMART LDAR
- EDF Methane Detector Challenge
- DOE ARPAe MONITOR Challenge
- o ONE Future Introduction

From: Blackman, Jerome [mailto:Blackman.Jerome@epa.gov]

Sent: Tuesday, July 28, 2015 5:37 AM

To: Douglas Jordan

Subject: Re: CALL FOR ABSTRACTS DEADLINE REMINDER- 2015 Natural Gas STAR

Implementation Workshop

Excellent!

Sent from my iPhone

On Jul 27, 2015, at 3:39 PM, Douglas Jordan < <u>Douglas Jordan@SWN.COM</u>> wrote:

You know we don't shy away from such things at SWN! I will get something to you this week.

Doug Jordan

SWN - V+ Resource Development

Director, Corporate Environmental Program's

281-610-4291

On Jul 27, 2015, at 10:56 AM, Blackman, Jerome <Blackman.Jerome@epa.gov> wrote:

Well, what about highlighting the work SWN is doing in your Pennsylvania operations to control/limit methane emissions? Is that too hot to touch given all the regs?

JΒ

Sent from my iPhone

On Jul 25, 2015, at 2:59 PM, Douglas Jordan < <u>Douglas Jordan@SWN.COM</u>> wrote:

So what would you like me to create an abstract on?

Doug Jordan

SWN - V+ Resource Development

Director, Corporate Environmental Program's

281-610-4291

Begin forwarded message:

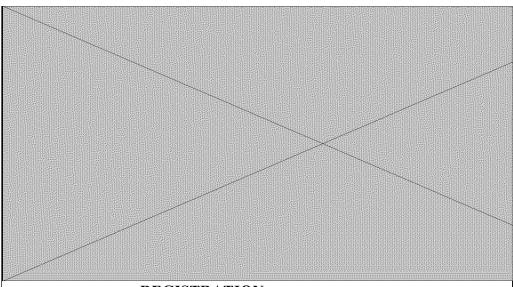
From: EPA Natural Gas STAR Team <meetings@erg.com>

Date: July 23, 2015 at 2:00:00 PM GMT+2

To: < Doug Jordan@SWN.COM>

Subject: CALL FOR ABSTRACTS DEADLINE REMINDER- 2015

Natural Gas STAR Implementation Workshop



REGISTRATION and CALL FOR ABSTRACTS

2015 Natural Gas STAR Annual Implementation Workshop

Sheraton Pittsburgh Hotel at Station Square Pittsburgh, PA USA November 16-18, 2015

Mark your calendars! We are pleased to announce that the 2015 Natural Gas STAR Annual Implementation Workshop will be held in Pittsburgh, PA on November 16-18. This year's workshop comes at a time of heightened interest in methane emissions, and is a forum for sharing solutions and cutting edge technologies and practices to reduce emissions. The workshop will feature domestic and international Partner Company speakers sharing their innovative approaches to reducing methane emissions. Agenda topics will cover a range of issues such as:

- Advanced Technologies for Methane Emissions Detection and Quantification
- Making the Business Case for Focused Methane Management
- Capture and Use of Methane for Onsite Power Generation

More than 150 participants gathered at the last implementation workshop to network, share information and

celebrate the achievements of Natural Gas STAR Partners!

CALL FOR TECHNICAL PRESENTATIONS - **DEADLINE TO SUBMIT IS JULY 31**

If you are interested in presenting at the Annual Implementation Workshop please submit a one page abstract for consideration. Submission details and deadlines can be found on the Call for Abstracts.

Please Note: Presentations should be relevant to methane emissions in the oil and natural gas industry and focus on the deployment of commercially proven, verified technologies and practices. Selected presenters will be responsible for their own travel and accommodation expenses. Selection does not constitute an endorsement by EPA of any product or company.

REGISTRATION INFORMATION

The meals fee (optional) for this workshop will be \$225. Registration is now available on the Gas STAR web site.

HOTEL AND ACCOMMODATIONS

The workshop will be held at the Sheraton Pittsburgh Hotel at Station Square. Overnight accommodations are available for the nights of November 15-18. To make reservations, call the Sheraton at 1-800-325-3535 and reference the EPA Natural Gas STAR Workshop to receive the special conference rate of \$128 single/double plus 14% state and local tax.(Please Note: Our group rate is the current government per diem and is subject to change. The annual per diem rates will reset on October 1, 2015 and they could vary from our current rate.) Our group rate will only be available until October 15, 2015. After this date, all reservations will be on a space and rate available basis. You can also reserve your hotel room online.

EXHIBITOR OPPORTUNITIES

Inquiries from potential workshop exhibitors are welcome. The Annual Implementation Workshop is the perfect, high-visibility opportunity to network with your colleagues, clients, and other interested stakeholders in the natural gas industry. For more information on exhibiting, please contact Erin Pittorino at ERG.

If you have any logistical questions please contact <u>ERG</u>, the contractors organizing this year's meeting. For other questions about the workshop, please contact <u>Jerome Blackman</u> at EPA.

SPREAD THE WORD!

Help us spread the news about the workshop by forwarding this e-mail to colleagues who may be interested in attending.

We look forward to seeing you in Pittsburgh!

Sincerely,

The Natural Gas STAR Team

Notice: This e-mail may contain privileged and/or confidential information and is intended only for the addressee. If you are not the addressee or the person responsible for delivering it to the addressee, you may not copy or distribute this communication to anyone else. If you received this communication in error, please notify us immediately by telephone or return e-mail and promptly delete the original message from your system. Thank you!

Notice: This e-mail may contain privileged and/or confidential information and is intended only for the addressee. If you are not the addressee or the person responsible for delivering it to the addressee, you may not copy or distribute this communication to anyone else. If you received this communication in error, please notify us immediately by telephone or return e-mail and promptly delete the original message from your system. Thank you!

Notice: This e-mail may contain privileged and/or confidential information and is intended only for the addressee. If you are not the addressee or the person responsible for delivering it to the addressee, you may not copy or distribute this communication to anyone else. If you received this communication in error, please notify us immediately by telephone or return e-mail and promptly delete the original message from your system. Thank you!

To: Bylin, Carey[Bylin.Carey@epa.gov]

Cc: Manfredi.Caltagirone@unep.org[Manfredi.Caltagirone@unep.org]

From: Philip.Swanson.Affiliate@unep.org

Sent: Tue 4/12/2016 6:47:01 PM **Subject:** RE: Sharing of Appendix A

Ok, and thanks for the Pemex insights in your other e-mail. Best, Phil

----"Bylin, Carey" < Bylin. Carey@epa.gov> wrote: ----

To: "Philip.Swanson.Affiliate@unep.org" < Philip.Swanson.Affiliate@unep.org >

From: "Bylin, Carey" <Bylin.Carey@epa.gov>

Date: 04/12/2016 07:18PM

Cc: "Manfredi.Caltagirone@unep.org" < Manfredi.Caltagirone@unep.org>

Subject: RE: Sharing of Appendix A

Hi Phil,

My involvement in both Methane Challenge and OGMP is alternatingly beneficial and awkward. For this one I need to bow out on getting involved and leave it completely up to you. Thanks for asking, though.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Philip.Swanson.Affiliate@unep.org [mailto:Philip.Swanson.Affiliate@unep.org]

Sent: Monday, April 11, 2016 12:47 PM To: Bylin, Carey <Bylin.Carey@epa.gov> Cc: Manfredi.Caltagirone@unep.org Subject: Fw: Sharing of Appendix A

Carev.

I would assume this promotes harmonisation. Please let me know if you see any problems with Fiji's proposal. Thanks. Best,

Phil

----Forwarded by Philip Swanson/DTIE/UNEP/NBO/UNO on 04/11/2016 06:45PM ----

To: "Philip.Swanson.Affiliate@unep.org" < Philip.Swanson.Affiliate@unep.org >,

"Manfredi.Caltagirone@unep.org " < Manfredi.Caltagirone@unep.org > From: Fiji George < Fiji George@SWN.COM >

Date: 04/11/2016 05:59PM Subject: Sharing of Appendix A

Phil and Manfredi,

As you know ONE future will be part of the US EPA's methane challenge program. One issue we are working to incorporate is the use of direct measurements and I am trying to ensure consistency with all voluntary program. If it is ok with you, I like to share the Appendix A with my ONE Future colleagues (they had already seen the draft) and essentially I like to incorporate Appendix A to the ONE Future program by reference or at least incorporate most of it. This I believe will help both programs and members like SWN who are in both programs.

Fiji George Director, Strategic Solutions

Tel: 832-796-2891 Mobile: 281.770.1744

Email: fiji.george@swn.com

Notice: This e-mail may contain privileged and/or confidential information and is intended only for the addressee. If you are not the addressee or the person responsible for delivering it to the addressee, you may not copy or distribute this communication to anyone else. If you received this communication in error,

ease notify us im our system.	mediately by telephone	or return e-mail and p	promptly delete the o	riginai message fro	m

To: keebleg@oru.com[keebleg@oru.com]
Cc: Bylin, Carey[Bylin.Carey@epa.gov]

From: Pryor, Justin

Sent: Mon 4/11/2016 2:28:26 PM

Subject: RE: Additional information pertaining to the Natural Gas STAR Methane Challenge Program --

Orange and Rockland Utilities, Inc. < External Sender>

Good Morning Gwen,

I work on the Methane Challenge Program with Carey Bylin, and we were wondering if you have been able to confirm a start date yet for the Mains and Services commitment? I will update the Partnership Agreement once this information is confirmed and send you a revised copy.

Thank you for your assistance!

Respectfully,

Justin Pryor

Climate Change Division

U.S. Environmental Protection Agency

202-343-9258

From: Bylin, Carey

Sent: Monday, March 28, 2016 2:23 PM To: 'Keeble, Gwen' < keeble@oru.com >

Subject: RE: Additional information pertaining to the Natural Gas STAR Methane Challenge

Program -- Orange and Rockland Utilities, Inc. <External Sender>

Hi Gwen,

I hope you had a good weekend. Just checking in on this, as I'd like to return the signed Agreement to you today. Please advise on start date. Thank you!

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Keeble, Gwen [mailto:keebleg@oru.com]

Sent: Friday, March 25, 2016 10:52 AM **To:** Bylin, Carey < <u>Bylin, Carey@epa.gov</u>>

Subject: RE: Additional information pertaining to the Natural Gas STAR Methane Challenge

Program -- Orange and Rockland Utilities, Inc. <External Sender>

Great thank you! Let me check with our Gas folks to confirm the start date they'd like to go with. Thank you!

From: Bylin, Carey [mailto:Bylin.Carey@epa.gov]

Sent: Friday, March 25, 2016 10:45 AM

To: Keeble, Gwen

Subject: RE: Additional information pertaining to the Natural Gas STAR Methane Challenge Program --

Orange and Rockland Utilities, Inc. <External Sender>

Hi Gwen.

Thank you for getting in touch. Yes, we received your Partnership Agreement and will get a countersigned version to you today or Monday.

The Start Date is listed as "2016" for Mains and Services. The Start Date is supposed to be a specific date that is within six months of joining the Program, so the latest it can be is September 30, 2016. Are you okay with our recognizing your Start Date as 9/30/16? Or you can choose another date between the launch and that point. The significance of the start date is that is when companies need to start collecting the data they need to track commitments (though for founding partners comprehensive reporting will start for the 2017 calendar year).

Please advise what you would like your start date to be and I will make the needed change to the Partnership Agreement.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Keeble, Gwen [mailto:keebleg@oru.com]

Sent: Friday, March 25, 2016 10:19 AM

To: 'bylin.carey@epa.gov'

Subject: RE: Additional information pertaining to the Natural Gas STAR Methane Challenge

Program -- Orange and Rockland Utilities, Inc.

Good morning – I am confirming you have received our agreement document and checking to see if you need anything further. I spoke with Bill Slade this morning who suggested I might want to check in to be sure our information was received, and the start date is appropriate.

Thanks!

Gwen Keeble

845-577-3534

917-418-5764

From: Keeble, Gwen

Sent: Wednesday, March 23, 2016 3:17 PM

To: 'elina.bouloubasis@erg.com'; 'bylin.carey@epa.gov'

Subject: FW: Additional information pertaining to the Natural Gas STAR Methane Challenge Program --

Orange and Rockland Utilities, Inc.

Today, Orange and Rockland Utilities, Inc. filed its signed Methane Challenge Partnership Agreement via email, with a hard copy sent overnight. Below please see the additional requested information.

Orange and Rockland will be represented at the forum by our colleagues from Con Ed Co. of NY, Mr. Kyle Kimball, VP of Government Relations, and Mr. Bill Slade the Emerging Issues Manager. Please feel free to reach out to me with any questions or concerns.

Gwen Keeble

Section Manager – Environmental Services

Orange and Rockland Utilities, Inc.

845-577-3534

917-418-5764

keebleg@oru.com

See below for additional requested information from Orange and Rockland Utilities.

----Original Message----From: U.S. EPA's Natural Gas STAR Program [mailto:gasstar@erg.com] Sent: Wednesday, March 16, 2016 5:15 PM To: Slade, William Subject: Thank You For Your Interest in the Natural Gas STAR Methane Challenge Program <External Sender> EXTERNAL SENDER. Do not click on links if sender is unknown and never provide user ID or password. Dear Bill: On behalf of the U.S. Environmental Protection Agency (EPA), I am pleased to hear of your interest in joining the Natural Gas STAR Methane Challenge Program as a founding partner. We will be officially launching this new program at the Global Methane Forum (GMF) at 10:00am on March 30, 2016 in Washington, D.C. The launch event will be hosted by Janet McCabe, EPA's Acting Assistant Administrator for Air and Radiation. If you confirm your participation as a founding partner, we encourage you to attend this exciting event. We will recognize your company even if you are not able to participate in person. Please be aware of the following next steps: -By March 23, please contact us (see contact information below) to confirm that you will be joining as a founding partner, and provide your signed Partnership Agreement. The Orange and Rockland partnership agreement was emailed today, and sent via hard copy today.

o Provide us a short bio (approximately 75 words) describing your company, your commitments, and highlighting reasons for becoming a Methane Challenge partner.

Orange and Rockland has participated in the Natural Gas STAR program since 1994, and welcomes the opportunity to join the Methane Challenge. Orange and Rockland distributes natural gas to 133,267 customers in Orange and Rockland counties in New York.

Last year the Company made significant improvements in reducing the total leak backlog, replacing 17 miles of leak prone pipe in each of the past three years. Our goal with this Partnership Agreement is to replace 6.5% of our cast iron and unprotected (bare) steel mains by the end of 2016.

o If your company plans to attend the Launch Event, provide the name, title, and contact information of the person who will be representing your company at the event and, if different, the contact information for the individual coordinating your company's participation at the event.

Orange and Rockland will be represented by our colleagues at Con Ed Co. of NY:

Mr. Kyle Kimball

Vice President, Government Relations

Consolidated Edison Company of New York

4 Irving Place

New York, NY 10003

kimballk@coned.com

212-460-2706

Coordinating:
Mr. William V. Slade
(b)(6) personal privacy (cell)
sladew@coned.com
-Also, by March 23, please provide a link to your company's website as well as the specific way your company should be listed on the Methane Challenge Program website.
Orange and Rockland Utilities, Inc.
www.oru.com
-Be sure to register for the GMF as soon as possible (http://globalmethane.org/forum/).
Both Kyle Kimball and Bill Slade are registered for the Global Methane Forum
Please send the above information to myself and Elina Bouloubasis (elina.bouloubasis@erg.com). Once we receive confirmation of your participation, we will provide more specific details about the launch event agenda, which will include recognition of each partner and individual and group photos. Please note that due to time constraints, we do not anticipate that partner companies will be able to give individual remarks at the event.
As a new Methane Challenge Program partner, there are a few next steps to be aware of. Within six months after joining the Program, each partner must develop an Implementation Plan to provide details on their planned participation, such as anticipated rate of progress, key milestones, and other relevant context. See the following Guidelines document for more information about how to develop an Implementation Plan:

http://www3.epa.gov/gasstar/documents/MC IP Guidelines Final.pdf.

We will also be working with partners as we develop the Program's reporting system, and will be seeking input and feedback in the coming months. Finally, in an effort to further highlight our partners' accomplishments, we aim to work with partners to develop "Fact Sheets" that cover notable historical actions taken in advance of the Methane Challenge Program in efforts to mitigate methane emissions.

We encourage you to attend the full GMF event that will offer high-level plenary sessions on cross-cutting issues such as project financing, joint Global Methane Initiative (GMI)-Climate & Clean Air Coalition (CCAC) discussions on projects and policy, and ample opportunities for networking with methane experts in the public and private sectors from around the world. A draft agenda is available at http://globalmethane.org/forum/. We hope you are able to attend and participate in the sessions.

Please feel free to contact me or Justin Pryor (202-343-9258 or pryor.justin@epa.gov) with any questions you may have about the Methane Challenge Partnership. Please contact Elina Bouloubasis (703-373-0149 or elina.bouloubasis@erg.com) with any questions about the launch event. Thank you again for your support of the Methane Challenge Program and we hope to see you at the launch event in Washington, D.C.

Sincerely,

Ms. Carey Bylin

U.S. Environmental Protection Agency

202-343-9669

bylin.carey@epa.gov

To: Elina Bouloubasis[Elina.Bouloubasis@erg.com]

Cc: Bylin, Carey[Bylin.Carey@epa.gov]; Pryor, Justin[Pryor.Justin@epa.gov]; Colyer, Steve

R[SColyer@ameren.com]
From: Pike, Paul R

Sent: Wed 3/30/2016 8:06:29 PM **Subject:** RE: Methane Challenge Follow-Up

Elina.

I apologize for the lateness of my response, but the Ameren Illinois bio would be:

Ameren Illinois, a subsidiary of St. Louis based Ameren Corporation, is a regulated electric and gas delivery company based in Collinsville, Illinois. The company delivers energy to approximately 1.2 million electric and 816,000 natural gas customers in 1,200 communities across its 43,700 square mile service territory. Ameren Illinois maintains a natural gas delivery network that includes approximately 18,000 miles of natural gas transmission and distribution mains and 12 underground storage fields. The Methane Challenge is another means to demonstrate the company's ongoing commitment towards sustainability while strengthening the integrity of the gas system.

And our Management representative is Steve Colyer, Director, Gas Operations and his number is 217-424-6933.

Paul

PAUL PIKE:: T 314.554.2388:: C 314.604.6905

Please consider the environment before printing this e-mail.

From: Elina Bouloubasis [mailto:Elina.Bouloubasis@erg.com]

Sent: Monday, March 28, 2016 1:56 PM

To: Pike, Paul R

Cc: Bylin, Carey; Pryor, Justin; Colyer, Steve R **Subject:** RE: Methane Challenge Follow-Up

Hi Paul,

I wanted to follow up and see if you're able to provide us with a brief bio today.

Thanks!

Elina Bouloubasis

ERG

2300 Wilson Blvd, Suite 350

Arlington, VA 22201

P: 703.373.0149

E: elina.bouloubasis@erg.com

From: Elina Bouloubasis

Sent: Wednesday, March 23, 2016 4:55 PM **To:** Pike, Paul R < <u>PPike@ameren.com</u>>

Cc: Bylin, Carey < Bylin. Carey@epa.gov >; Pryor, Justin < Pryor. Justin@epa.gov >; Colyer, Steve

R < SColyer@ameren.com>

Subject: RE: Methane Challenge Follow-Up

Hi Paul,

Thank you for the information! We're glad Ameren Illinois has joined the Methane Challenge Program! Although your company isn't able to attend the launch, could you please send a short bio for us to read out loud at the event?

Thanks again,

Elina Bouloubasis

ERG

2300 Wilson Blvd, Suite 350

Arlington, VA 22201

P: 703.373.0149

E: elina.bouloubasis@erg.com

From: Pike, Paul R [mailto:PPike@ameren.com] Sent: Wednesday, March 23, 2016 4:51 PM

To: Elina Bouloubasis < Elina Bouloubasis@erg.com >

Cc: Bylin, Carey < Bylin. Carey@epa.gov >; Pryor, Justin < Pryor. Justin@epa.gov >; Colyer, Steve

R < SColyer@ameren.com>

Subject: RE: Methane Challenge Follow-Up

Alina,

Thank you the follow-up and Ameren Illinois would like to sign up for the Methane Challenge Program. Unfortunately, we will not be able to have a representative at the Launch Event, but in response to the requested information is the following:

- The signed partnership agreement is attached
- No participant at the launch
- No company bio for the launch
- Ameren Illinois, is the name that should be used to identify the company and the website is: https://www.ameren.com/illinois

If you have any questions please feel free to contact me.

Sincerely,

Paul Pike

Paul PIKE: Consulting Environmental Scientist, Environmental Services: T 314.554.2388: C 314.604.6905

Ameren Services: 1901 Chouteau Avenue, P.O. Box 66149, MC 602: St. Louis, MO 63166

Please consider the environment before printing this e-mail. "Be the change you want to see in the world." M. Gandhi

From: Elina Bouloubasis [mailto:Elina.Bouloubasis@erg.com]

Sent: Wednesday, March 23, 2016 11:27 AM

To: Pike, Paul R

Cc: Bylin, Carey; Pryor, Justin

Subject: Methane Challenge Follow-Up

EXTERNAL SENDER. Do not click on links or open attachments that are not expected and do not give out User IDs or passwords.

Mr. Pike,

Thank you for letting us know that you will be participating in the Methane Challenge Program. If you're still interested, we would need the following information from you:

- Partnership agreement
- Launch participant's name, title, and contact information (if attending the <u>launch</u> next week)
- Short bio (approximately 75 words) describing your company, commitments, and highlighting reasons for becoming a Methane Challenge Partner
- Company website and company name that should be listed on our website

Please be sure to provide these items to me (Elina.bouloubasis@erg.com) by *COB today*, if possible.

Below is the Launch Event Agenda for an understanding of how the event will be structured.

Methane Challenge Program Launch Event

When: Wednesday, March 30, 2016, 10:00-10:45AM

Global Methane Forum Plenary Session, immediately following Policy Roundtable: Different Approaches to Methane Policies 08:30-10:00AM)

*Reserved seating at the front of the room for Methane Challenge Founding Partners.

Where: Georgetown University Hotel and Conference Center

Washington, DC

Agenda:

10:00 AM -10:05 AM Welcome remarks

Janet McCabe, Acting Assistant Administrator for Air and Radiation, US EPA

10:05 AM -10:15 AM Brief Remarks from Supportive Industry Associations

American Gas Association (AGA)

Downstream Initiative

10:15 AM - 10:35 AM Introduce Program Partners

Introduce each partner in alphabetical order.

Read brief partner statements (30 seconds pre partner) that summarizes the company's business and their planned commitment as a Methane Challenge partner. While the short company statement is being read, each partner representative walks on stage and shakes hands with Janet McCabe [pause for individual photo]

10:35 AM – 10:40 AM Closing remarks

10:40 AM - 10:45 AM Group Photo

Group photo (all companies) with Janet McCabe on the stage

Additionally, from 12:30 - 1:30 pm, there will be an informal opportunity for you to discuss the Methane Challenge with EPA representatives—we hope you can attend! (The location will be announced at the Launch Event.)

If you haven't yet registered for the Global Methane Forum, please do so as soon as possible at http://globalmethane.org/forum/. On the day of the event, staff will be available at the registration desk to answer questions and provide assistance.

Please feel free to contact Carey Bylin (202-343-9669 or bylin.carey@epa.gov) or Justin Pryor (202-343-9258 or pryor.justin@epa.gov) with any questions about the Methane Challenge Partnership and contact Elina Bouloubasis (703-373-0149 or elina.bouloubasis@erg.com) with any questions about the launch event.

Thank you again for your support of the Methane Challenge Program and we look forward to working with you.

Sincerely,

Elina Bouloubasis

ERG - Contractor Support to the

EPA's Methane Challenge Program

To: Frank Mack (Services - 6)[frank.mack@dom.com]

Cc: Bylin, Carey[Bylin.Carey@epa.gov]; Anand Yegnan (Services - 6)[Anand.Yegnan@dom.com]

From: DeLuca, Isabel

Sent: Wed 3/30/2016 3:12:54 PM

Subject: RE: Dominion Transmission Inc. - Partnership Agreement for Methane Challenge & Other

Information

Apologies—it's a long url and must not have pasted properly.

New url, and entire body of the press release are below:

https://yosemite.epa.gov/opa/admpress.nsf/bd4379a92ceceeac8525735900400c27/d18d3f2c205f996285257f860

EPA Launches New Voluntary Methane Challenge Program To Reduce Emissions from the Oil and Gas Sector

Release Date: 03/30/2016

Contact Information: Enesta Jones, jones.enesta@epa.gov, 202-564-7873. 202-564-4355

WASHINGTON—Today, as part of the Obama Administration's ongoing commitment to take action on climate change and protect public health, EPA is launching a new voluntary partnership program—with 41 founding partner companies in the oil and gas sector. The Natural Gas STAR Methane Challenge Program builds upon the Natural Gas STAR Program, a flexible, voluntary partnership between EPA and the U.S. oil and natural gas industry that focuses on achieving cost-effective methane emission reductions from natural gas operations. Methane is upwards of 25 times more potent than carbon dioxide in warming the planet.

"To protect public health and combat climate change, today, we are expanding our voluntary partnerships to reduce methane emissions from the oil and gas sector through our new Methane Challenge program, which is a platform for companies to transparently report actions to reduce methane emissions and to be publicly recognized as leaders in reducing methane emissions in the United States," said EPA Administrator Gina McCarthy. "The voluntary Methane Challenge program is one important part of our overarching strategy to reduce methane emissions, and complements regulatory efforts that will help the United States meet the Obama Administration's goal of reducing methane emissions by 40 to 45 percent by 2025."

The new program was announced today at the Global Methane Forum, hosted by the <u>Global Methane Initiative</u> and the <u>Climate and Clean Air Coalition</u>, which has brought together hundreds of policymakers and industry experts from more than 50 countries to discuss strategies to reduce global methane emissions.

The Methane Challenge Program will provide partner companies with a platform to make company-wide commitments to cut emissions from sources within their operations by implementing a suite of best management practices within five years. Transparency is a fundamental part of the program, and partner achievements will be tracked by submitting annual data directly to EPA. Partner companies have committed to replacing or rehabilitating cast iron and unprotected steel distribution mains, and to reducing methane emissions from pipeline blowdowns, among other activities.

The Methane Challenge Program has the potential to achieve significant emissions reductions in a cost-effective way, and is an important component of the Administration's 2014 Methane Strategy, which set out regulatory and voluntary approaches for reducing methane emissions by 40 to 45 percent below 2012 levels by 2025. EPA expects program participation to grow over time and is actively working to expand the options for participation by finalizing an additional Emissions Intensity Commitment option through the ONE Future Coalition. ONE Future is a coalition of natural gas companies focused on increasing efficiency across the natural gas supply chain.

Another key outcome of the Global Methane Forum is the re-chartering of the Global Methane Initiative (GMI) for the next five years. In addition, the Forum has provided an opportunity for the GMI, the Climate and Clean Air Coalition, and the United Nation's Economic Commission for Europe to collaborate in strategically aligning their methane mitigation activities.

The GMI is a partnership of 43 countries, including the United States, aimed at achieving cost-effective methane reductions across five sectors: municipal solid waste, wastewater, agriculture, coal, and the oil and gas sector. Together, GMI's 43 partner countries account for approximately 70 percent of global methane emissions from targeted sources. Since 2004, partner countries avoided nearly 350 MMTCO2e in methane emissions from these sources.

Learn more about the Methane Challenge Program and list of founding partner companies: https://www3.epa.gov/gasstar/methanechallenge/

Learn about the Global Methane Initiative:

https://www.globalmethane.org/

Learn about the Global Methane Forum: https://www.globalmethane.org/forum/index.html

Learn about the Climate and Clean Air Coalition: http://www.ccacoalition.org/

From: Frank Mack (Services - 6) [mailto:frank.mack@dom.com]

Sent: Wednesday, March 30, 2016 11:10 AM **To:** DeLuca, Isabel DeLuca.Isabel@epa.gov

Cc: Bylin, Carey <Bylin.Carey@epa.gov>; Anand Yegnan (Services - 6)

<Anand.Yegnan@dom.com>

Subject: RE: Dominion Transmission Inc. - Partnership Agreement for Methane Challenge &

Other Information

Frank

sabel,	
The link is not working so could you copy and paste the release in an ema	ail?
'hanks	

From: DeLuca, Isabel [mailto:DeLuca.Isabel@epa.gov]

Sent: Wednesday, March 30, 2016 11:08 AM

To: Frank Mack (Services - 6)

Cc: Bylin, Carey, Anand Yegnan (Services - 6)

Subject: RE: Dominion Transmission Inc. - Partnership Agreement for Methane Challenge & Other

Information

Hi Frank,

Thanks for the call just now. Our press release has just gone out and can be found here:

https://yosemite.epa.gov/opa/admpress.nsf/bd4379a92ceceeac8525735900400c27/77e8a4b1fbd553c785257f850

best wishes,

Isabel DeLuca

Director of Communications

Climate Change Division, US EPA

(202) 343-9247

From: Frank Mack (Services - 6) [mailto:frank.mack@dom.com]

Sent: Monday, March 28, 2016 4:44 PM

To: DeLuca, Isabel < DeLuca. Isabel @epa.gov >

Cc: Bylin, Carey < Bylin. Carey@epa.gov >; Anand Yegnan (Services - 6)

<Anand.Yegnan@dom.com>

Subject: RE: Dominion Transmission Inc Partnership Agreement for Methane Challenge & Other Information
No problem.
Did not want to assume, so thanks for clarifying.
From: DeLuca, Isabel [mailto:DeLuca.Isabel@epa.gov] Sent: Monday, March 28, 2016 4:42 PM To: Frank Mack (Services - 6) Cc: Bylin, Carey; Anand Yegnan (Services - 6) Subject: RE: Dominion Transmission Inc Partnership Agreement for Methane Challenge & Other Information
That's right- sorry not to be more specific. We are planning on issuing a press release at 11 am on Wednesday, March 30.
From: Frank Mack (Services - 6) [mailto:frank.mack@dom.com] Sent: Monday, March 28, 2016 4:41 PM To: DeLuca, Isabel < DeLuca.Isabel@epa.gov > Cc: Bylin, Carey < Bylin.Carey@epa.gov >; Anand Yegnan (Services - 6) < Anand.Yegnan@dom.com > Subject: RE: Dominion Transmission Inc Partnership Agreement for Methane Challenge & Other Information
Isabel,
Just to confirm, that's 11 a.m. on Wednesday, March 30?
Thanks

Frank

From: DeLuca, Isabel [mailto:DeLuca.Isabel@epa.gov]

Sent: Monday, March 28, 2016 4:38 PM

To: Frank Mack (Services - 6)

Cc: Bylin, Carey; Anand Yegnan (Services - 6)

Subject: RE: Dominion Transmission Inc. - Partnership Agreement for Methane Challenge & Other

Information

Hi,

Thanks for your note. Yes we are planning on issuing a news release at 11 am. Please let me know if you have any other questions.

Best,

Isabel DeLuca

Director of Communications

Climate Change Division, US EPA

(202) 343-9247

From: Frank Mack (Services - 6) [mailto:frank.mack@dom.com]

Sent: Monday, March 28, 2016 4:34 PM

To: DeLuca, Isabel < DeLuca. Isabel @epa.gov >

Cc: Bylin, Carey < Bylin. Carey@epa.gov >; Anand Yegnan (Services - 6)

<<u>Anand.Yegnan@dom.com</u>>

Subject: RE: Dominion Transmission Inc. - Partnership Agreement for Methane Challenge &

Other Information

Isabel,
I spoke with Anand who said I should follow up with you to see if the EAP is planning to issue a news release announcing the Natural Gas STAR Methane Challenge Program?
If so, what is the timing?
Please advise
Thanks
Frank Mack, APR
Manager-Dominion Transmission Communications
Dominion Energy
804.771.3141 (tie 736) (work)
804.385.8755 (cell)
www.dom.com

From: Anand Yegnan (Services - 6) Sent: Monday, March 28, 2016 3:52 PM

To: Frank Mack (Services - 6)
Subject: FW: Dominion Transmission Inc. - Partnership Agreement for Methane Challenge & Other

Information

Frank – Would you be able to reach out to EPA's communication person and get more information? Please see contact information for the EPA person. -Anand From: Bylin, Carey [mailto:Bylin.Carey@epa.gov] Sent: Monday, March 28, 2016 3:49 PM To: Anand Yegnan (Services - 6) Cc: DeLuca, Isabel Subject: RE: Dominion Transmission Inc. - Partnership Agreement for Methane Challenge & Other Information Hi Anand. Our communications contact is Isabel Deluca, who is cc'd on this e-mail. Ms. Carey Bylin International Programs Leader, Oil and Gas Natural Gas STAR Program Global Methane Initiative U.S. Environmental Protection Agency Phone: +1-202-343-9669 Visiting Address & Private Deliveries (courier, FedEx etc.) 1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Anand Yegnan (Services - 6) [mailto: Anand. Yegnan@dom.com]

Sent: Monday, March 28, 2016 3:45 PM **To:** Bylin, Carey < Bylin. Carey@epa.gov >

Subject: FW: Dominion Transmission Inc. - Partnership Agreement for Methane Challenge &

Other Information

Hi Carey – Our media relations folks would like to know if EPA was planning on doing a media release of the Methane Challenge announcement. Is there a media relations person at EPA that I can connect with our media person? Please advise.

Thank you.

-Anand

From: Anand Yegnan (Services - 6)
Sent: Monday, March 28, 2016 12:08 PM

To: 'Bylin, Carey'

Cc: 'Elina Bouloubasis'; Pryor, Justin; Pamela Faggert (Services - 6)

Subject: Dominion Transmission Inc. - Partnership Agreement for Methane Challenge & Other

Information

Hello Carey –

Attached please find Dominion Transmission Inc.'s partnership agreement for the Methane Challenge Program.

Also enclosed is the bio for Dominion.

Dominion will be represented by:

Jeff Murphy

Title: Vice President and General Manager – Dominion East Ohio

Contact Information: jeff.murphy@dom.com

Office: (216) 736-6376

Contact information for person coordinating the company's participation in Methane Challenge (as we have two separate partnership agreements with different company representatives):

Anand Yegnan

Manager – Environmental Regulations.

Anand.yegnan@dom.com

(804) 273-3893

Dominion website Link: www.dom.com

Dominion Bio for introduction at the Launch event is below:

Dominion's distribution companies — Dominion East Ohio and Dominion Hope — operate more than 22,000 miles of natural gas pipeline and serve 1.3 million customers in Ohio and West Virginia. Dominion Transmission's system operates 7,800 miles of interstate pipeline in six states and one of the largest natural gas storage systems in the U.S.

Dominion's distribution companies will implement a continuous program to measure, track and

report methane reductions obtained by annually replacing well over a hundred miles of cast iron and unprotected or ineffectively coated-steel pipelines on mains and service lines.

Dominion Transmission will proactively reduce significant methane emissions by enhancing its ongoing pipeline blow-down reduction efforts used during maintenance activities.

Participation in this program is consistent with Dominion's commitment to achieving sustainable environmental improvements while at the same time operating our businesses in a safe and reliable manner.

We recommend that Dominion be listed as the following on the Methane Challenge website:

Distribution Segment: Dominion Distribution – Dominion East Ohio & Dominion Hope

Transmission Segment: Dominion Transmission Inc.

Please let me know if you have any questions. Please confirm that you have received this information – as I know you are swamped with planning for the Methane Challenge event.

Thank you.

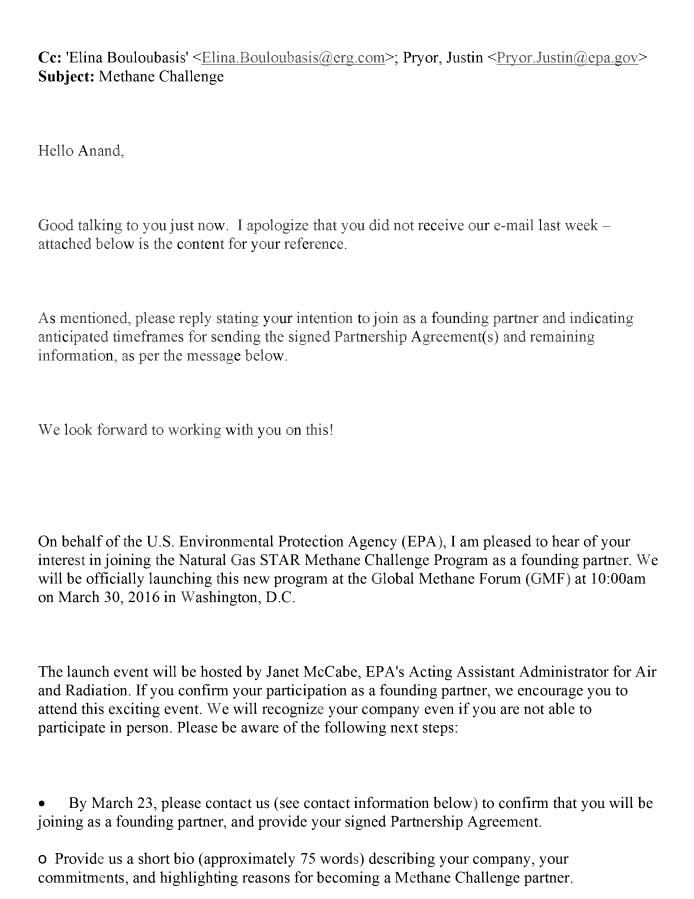
Regards,

Anand Yegnan

From: Bylin, Carey

Sent: Wednesday, March 23, 2016 4:44 PM

To: 'Anand Yegnan (Services - 6)' < <u>Anand Yegnan@dom.com</u>>



o If your company plans to attend the Launch Event, provide the name, title, and contact information of the person who will be representing your company at the event and, if different, the contact information for the individual coordinating your company's participation at the event.

- Also, by March 23, please provide a link to your company's website as well as the specific way your company should be listed on the Methane Challenge Program website.
- Be sure to register for the GMF as soon as possible (http://globalmethane.org/forum/).

Please send the above information to myself and Elina Bouloubasis (<u>elina.bouloubasis@erg.com</u>). Once we receive confirmation of your participation, we will provide more specific details about the launch event agenda, which will include recognition of each partner and individual and group photos. Please note that due to time constraints, we do not anticipate that partner companies will be able to give individual remarks at the event.

As a new Methane Challenge Program partner, there are a few next steps to be aware of. Within six months after joining the Program, each partner must develop an Implementation Plan to provide details on their planned participation, such as anticipated rate of progress, key milestones, and other relevant context. See the following Guidelines document for more information about how to develop an Implementation Plan: http://www3.epa.gov/gasstar/documents/MC IP Guidelines Final.pdf.

We will also be working with partners as we develop the Program's reporting system, and will be seeking input and feedback in the coming months. Finally, in an effort to further highlight our partners' accomplishments, we aim to work with partners to develop "Fact Sheets" that cover notable historical actions taken in advance of the Methane Challenge Program in efforts to mitigate methane emissions.

We encourage you to attend the full GMF event that will offer high-level plenary sessions on cross-cutting issues such as project financing, joint Global Methane Initiative (GMI)-Climate & Clean Air Coalition (CCAC) discussions on projects and policy, and ample opportunities for networking with methane experts in the public and private sectors from around the world. A draft agenda is available at http://globalmethane.org/forum/. We hope you are able to attend and participate in the sessions.

Please feel free to contact me or Justin Pryor (202-343-9258 or pryor.justin@epa.gov) with any questions you may have about the Methane Challenge Partnership. Please contact Elina Bouloubasis (703-373-0149 or elina.bouloubasis@erg.com) with any questions about the launch event. Thank you again for your support of the Methane Challenge Program and we hope to see you at the launch event in Washington, D.C.

Sincerely,
Ms. Carey Bylin
U.S. Environmental Protection Agency
202-343-9669
bylin.carey@epa.gov
Ms. Carey Bylin
International Programs Leader, Oil and Gas
Natural Gas STAR Program
Global Methane Initiative
U.S. Environmental Protection Agency
Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

ED_000761_0000183

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



CONFIDENTIALITY NOTICE: This electronic message contains information which may be legally confidential and or privileged and does not in any case represent a firm ENERGY COMMODITY bid or offer relating thereto which binds the sender without an additional express written confirmation to that effect. The information is intended solely for the individual or entity named above and access by anyone else is unauthorized. If you are not the intended recipient, any disclosure, copying, distribution, or use of the contents of this information is prohibited and may be unlawful. If you have received this electronic transmission in error, please reply immediately to the sender that you have received the message in error, and delete it. Thank you.

CONFIDENTIALITY NOTICE: This electronic message contains information which may be legally confidential and or privileged and does not in any case represent a firm ENERGY COMMODITY bid or offer relating thereto which binds the sender without an additional express written confirmation to that effect. The information is intended solely for the individual or entity named above and access by anyone else is unauthorized. If you are not the intended recipient, any disclosure, copying, distribution, or use of the contents of this information is prohibited and may be unlawful. If you have received this electronic transmission in error, please reply immediately to the sender that you have received the message in error, and delete it. Thank you.

CONFIDENTIALITY NOTICE: This electronic message contains information which may be legally confidential and or privileged and does not in any case represent a firm ENERGY COMMODITY bid or offer relating thereto which binds the sender without an additional express written confirmation to that effect. The information is intended solely for the individual or entity named above and access by anyone else is unauthorized. If you are not the intended recipient, any disclosure, copying, distribution, or use of the contents of this information is prohibited and may be unlawful. If you have received this electronic transmission in error, please reply immediately to the sender that you have received the message in error, and delete it. Thank you.

To: Frank Mack (Services - 6)[frank.mack@dom.com]

Cc: Bylin, Carey[Bylin.Carey@epa.gov]; Anand Yegnan (Services - 6)[Anand.Yegnan@dom.com]

From: DeLuca, Isabel

Sent: Mon 3/28/2016 8:38:29 PM

Subject: RE: Dominion Transmission Inc. - Partnership Agreement for Methane Challenge & Other

Information

Hi,

Thanks for your note. Yes we are planning on issuing a news release at 11 am. Please let me know if you have any other questions.

Best,

Isabel DeLuca

Director of Communications

Climate Change Division, US EPA

(202) 343-9247

From: Frank Mack (Services - 6) [mailto:frank.mack@dom.com]

Sent: Monday, March 28, 2016 4:34 PM

To: DeLuca, Isabel < DeLuca.Isabel@epa.gov>

Cc: Bylin, Carey <Bylin.Carey@epa.gov>; Anand Yegnan (Services - 6)

<Anand.Yegnan@dom.com>

Subject: RE: Dominion Transmission Inc. - Partnership Agreement for Methane Challenge &

Other Information

Isabel,

I spoke with Anand who said I should follow up with you to see if the EAP is planning to issue a

news release announcing the Natural Gas STAR Methane Challenge Program?
If so, what is the timing?
Please advise
Thanks
Frank Mack, APR
Manager-Dominion Transmission Communications
Dominion Energy
804.771.3141 (tie 736) (work)
804.385.8755 (cell)
www.dom.com
From: Anand Yegnan (Services - 6) Sent: Monday, March 28, 2016 3:52 PM To: Frank Mack (Services - 6) Subject: FW: Dominion Transmission Inc Partnership Agreement for Methane Challenge & Other Information
Frank – Would you be able to reach out to EPA's communication person and get more information?
Please see contact information for the EPA person.

From: Bylin, Carey [mailto:Bylin.Carey@epa.gov]

Sent: Monday, March 28, 2016 3:49 PM

To: Anand Yegnan (Services - 6)

Cc: DeLuca, Isabel

Subject: RE: Dominion Transmission Inc. - Partnership Agreement for Methane Challenge & Other

Information

Hi Anand,

Our communications contact is Isabel Deluca, who is cc'd on this e-mail.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Anand Yegnan (Services - 6) [mailto:Anand.Yegnan@dom.com]

Sent: Monday, March 28, 2016 3:45 PM **To:** Bylin, Carey < Bylin. Carey@epa.gov >

Subject: FW: Dominion Transmission Inc. - Partnership Agreement for Methane Challenge &

Other Information

Hi Carey – Our media relations folks would like to know if EPA was planning on doing a media release of the Methane Challenge announcement. Is there a media relations person at EPA that I can connect with our media person? Please advise.

Thank you.

-Anand

From: Anand Yegnan (Services - 6)
Sent: Monday, March 28, 2016 12:08 PM

To: 'Bylin, Carey'

Cc: 'Elina Bouloubasis'; Pryor, Justin; Pamela Faggert (Services - 6)

Subject: Dominion Transmission Inc. - Partnership Agreement for Methane Challenge & Other

Information

Hello Carey -

Attached please find Dominion Transmission Inc.'s partnership agreement for the Methane Challenge Program.

Also enclosed is the bio for Dominion.

Dominion will be represented by:

Jeff Murphy

Title: Vice President and General Manager – Dominion East Ohio

Contact Information: jeff.murphy@dom.com

Office: (216) 736-6376

Contact information for person coordinating the company's participation in Methane Challenge (as we have two separate partnership agreements with different company representatives):

Anand Yegnan

Manager – Environmental Regulations.

Anand.yegnan@dom.com

(804) 273-3893

Dominion website Link: www.dom.com

Dominion Bio for introduction at the Launch event is below:

Dominion's distribution companies — Dominion East Ohio and Dominion Hope — operate more than 22,000 miles of natural gas pipeline and serve 1.3 million customers in Ohio and West Virginia. Dominion Transmission's system operates 7,800 miles of interstate pipeline in six states and one of the largest natural gas storage systems in the U.S.

Dominion's distribution companies will implement a continuous program to measure, track and report methane reductions obtained by annually replacing well over a hundred miles of cast iron and unprotected or ineffectively coated-steel pipelines on mains and service lines.

Dominion Transmission will proactively reduce significant methane emissions by enhancing its ongoing pipeline blow-down reduction efforts used during maintenance activities.

Participation in this program is consistent with Dominion's commitment to achieving sustainable environmental improvements while at the same time operating our businesses in a safe and reliable manner. We recommend that Dominion be listed as the following on the Methane Challenge website: Distribution Segment: Dominion Distribution – Dominion East Ohio & Dominion Hope Transmission Segment: Dominion Transmission Inc. Please let me know if you have any questions. Please confirm that you have received this information – as I know you are swamped with planning for the Methane Challenge event. Thank you. Regards, Anand Yegnan From: Bylin, Carey Sent: Wednesday, March 23, 2016 4:44 PM To: 'Anand Yegnan (Services - 6)' < <u>Anand Yegnan@dom.com</u>> Cc: 'Elina Bouloubasis' < Elina. Bouloubasis@erg.com'>; Pryor, Justin < Pryor. Justin@epa.gov > Subject: Methane Challenge Hello Anand,

Good talking to you just now. I apologize that you did not receive our e-mail last week – attached below is the content for your reference.

As mentioned, please reply stating your intention to join as a founding partner and indicating anticipated timeframes for sending the signed Partnership Agreement(s) and remaining information, as per the message below.

We look forward to working with you on this!

On behalf of the U.S. Environmental Protection Agency (EPA), I am pleased to hear of your interest in joining the Natural Gas STAR Methane Challenge Program as a founding partner. We will be officially launching this new program at the Global Methane Forum (GMF) at 10:00am on March 30, 2016 in Washington, D.C.

The launch event will be hosted by Janet McCabe, EPA's Acting Assistant Administrator for Air and Radiation. If you confirm your participation as a founding partner, we encourage you to attend this exciting event. We will recognize your company even if you are not able to participate in person. Please be aware of the following next steps:

- By March 23, please contact us (see contact information below) to confirm that you will be joining as a founding partner, and provide your signed Partnership Agreement.
- o Provide us a short bio (approximately 75 words) describing your company, your commitments, and highlighting reasons for becoming a Methane Challenge partner.
- o If your company plans to attend the Launch Event, provide the name, title, and contact information of the person who will be representing your company at the event and, if different, the contact information for the individual coordinating your company's participation at the event.
- Also, by March 23, please provide a link to your company's website as well as the specific way your company should be listed on the Methane Challenge Program website.

• Be sure to register for the GMF as soon as possible (http://globalmethane.org/forum/).

Please send the above information to myself and Elina Bouloubasis (<u>elina.bouloubasis@erg.com</u>). Once we receive confirmation of your participation, we will provide more specific details about the launch event agenda, which will include recognition of each partner and individual and group photos. Please note that due to time constraints, we do not anticipate that partner companies will be able to give individual remarks at the event.

As a new Methane Challenge Program partner, there are a few next steps to be aware of. Within six months after joining the Program, each partner must develop an Implementation Plan to provide details on their planned participation, such as anticipated rate of progress, key milestones, and other relevant context. See the following Guidelines document for more information about how to develop an Implementation Plan: http://www3.epa.gov/gasstar/documents/MC IP Guidelines Final.pdf.

We will also be working with partners as we develop the Program's reporting system, and will be seeking input and feedback in the coming months. Finally, in an effort to further highlight our partners' accomplishments, we aim to work with partners to develop "Fact Sheets" that cover notable historical actions taken in advance of the Methane Challenge Program in efforts to mitigate methane emissions.

We encourage you to attend the full GMF event that will offer high-level plenary sessions on cross-cutting issues such as project financing, joint Global Methane Initiative (GMI)-Climate & Clean Air Coalition (CCAC) discussions on projects and policy, and ample opportunities for networking with methane experts in the public and private sectors from around the world. A draft agenda is available at http://globalmethane.org/forum/. We hope you are able to attend and participate in the sessions.

Please feel free to contact me or Justin Pryor (202-343-9258 or pryor.justin@epa.gov) with any questions you may have about the Methane Challenge Partnership. Please contact Elina Bouloubasis (703-373-0149 or elina.bouloubasis@erg.com) with any questions about the launch event. Thank you again for your support of the Methane Challenge Program and we hope to see you at the launch event in Washington, D.C.

Sincerely,
Ms. Carey Bylin
U.S. Environmental Protection Agency
202-343-9669
bylin.carey@epa.gov
Ms. Carey Bylin
International Programs Leader, Oil and Gas
Natural Gas STAR Program
Global Methane Initiative
U.S. Environmental Protection Agency
Phone: +1-202-343-9669
Visiting Address & Private Deliveries (courier, FedEx etc.)
1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004
U.S. Mail Address:
Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460

To: Tom Michels[tmichels@bwstrategies.com]

From: Tom Michels

Sent: Sat 3/12/2016 12:59:08 AM

Subject: FOR IMMEDIATE RELEASE: ONE Future comments on the Administration's decision to

regulate methane emissions from existing oil and gas wells.

removed.txt

PRESS RELEASE-ONE Future Statement on White House Decision to Regulate Existing Sources.pdf



ONE Future comments on the Administration's decision to regulate methane emissions from existing oil and gas wells.

Washington, DC March 11, 2016: Yesterday the White House announced that U.S. Environmental Protection Agency (EPA) will begin developing regulations for methane emissions from existing oil and gas sources immediately and will move as expeditiously as possible to complete this process.

"Two years ago, the ONE Future Coalition was formed by responsible companies that committed to taking proactive, voluntary actions to reduce methane emissions. One Future's members include some of the largest natural gas production, processing, transmission and distribution companies in the United States – a unique coalition that represents virtually the entire natural gas value chain.

"Since our formation in 2014, ONE Future has been working collaboratively with the Administration and EPA to shape and improve the design of both their voluntary and regulatory methane emission reduction programs. We believe that it is crucial that voluntary emission reduction efforts such as ours be encouraged, acknowledged, and endorsed in any regulatory program. The ONE Future Coalition is committed to continuously improving their emissions management to assure efficient energy production and delivery.

"Previously we expressed our support for the Administration's Strategy to Reduce Methane Emissions – particularly their willingness to accept participation in initiatives such as ONE Future as an alternative to future regulatory action – provided that emission reductions via our flexible, performance-based program design are both significant and verified.

"We hope that voluntary actions which achieve significant emission improvements will be acknowledged in any future regulatory action, so that companies are not discouraged from undertaking voluntary initiatives. We look forward to continuing our work to improve the energy delivery efficiency of the natural gas supply chain, and we will continue to promote the collection of better quality data, and advocate for regulatory regimes that facilitate cost-effective emission reductions across the entire natural gas value chain."

####

About the ONE Future Coalition

ONE Future is a coalition of companies from across the natural gas industry focused on identifying policy and technical solutions that yield continuous improvement in the management of methane emissions associated with the production, processing, transmission and distribution of natural gas.

Tom Michels

Executive Director.

ONE Future Coalition

www.onefuture.us

Principal,

BlueWater Strategies IIc

25 Massachusetts Avenue, NW

Suite 820

Washington, DC 20001

tmichels@bwstrategies.com

Direct - 202-589-1759

Office -202-589-0015

Mobile -202-413-2059

This message may contain information that is privileged or confidential. If you receive this transmission in error, please notify the sender by reply e-mail and delete the message and any attachments.



Contact: Tom Michels Executive Director, Our Nation's Energy Future Coalition Phone: (202) 589-1759 www.onefuture.us

25 Massachusetts Ave., NW Suite 820 Washington, DC 20001

Members of Our Nation's Energy Future Coalition (ONE Future)

AGLResources

Apache Corporation

BHP Billiton

Columbia Pipeline Group

Kinder Morgan

National Grid

Hess Corporation

Southwestern Energy Company

PRESS RELEASE

ONE Future comments on the Administration's decision to regulate methane emissions from existing oil and gas wells.

Washington, DC March 11, 2016: Yesterday the White House announced that U.S. Environmental Protection Agency (EPA) will begin developing regulations for methane emissions from existing oil and gas sources immediately and will move as expeditiously as possible to complete this process.

"Two years ago, the ONE Future Coalition was formed by responsible companies that committed to taking proactive, voluntary actions to reduce methane emissions. One Future's members include some of the largest natural gas production, processing, transmission and distribution companies in the United States – a unique coalition that represents virtually the entire natural gas value chain.

"Since our formation in 2014, ONE Future has been working collaboratively with the Administration and EPA to shape and improve the design of both their voluntary and regulatory methane emission reduction programs. We believe that it is crucial that voluntary emission reduction efforts such as ours be encouraged, acknowledged, and endorsed in any regulatory program. The ONE Future Coalition is committed to continuously improving their emissions management to assure efficient energy production and delivery.

"Previously we expressed our support for the Administration's Strategy to Reduce Methane Emissions – particularly their willingness to accept participation in initiatives such as ONE Future as an alternative to future regulatory action – provided that emission reductions via our flexible, performance-based program design are both significant and verified.

"We hope that voluntary actions which achieve significant emission improvements will be acknowledged in any future regulatory action, so that companies are not discouraged from undertaking voluntary initiatives. We look forward to continuing our work to improve the energy delivery efficiency of the natural gas supply chain, and we will continue to promote the collection of better quality data, and advocate for regulatory regimes that facilitate cost-effective emission reductions across the entire natural gas value chain."

####

About the ONE Future Coalition

ONE Future is a coalition of companies from across the natural gas industry focused on identifying policy and technical solutions that yield continuous improvement in the management of methane emissions associated with the production, processing, transmission and distribution of natural gas.

FOR IMMEDIATE RELEASE MARCH 11, 2016

To: Bylin, Carey[Bylin.Carey@epa.gov]
From: Philip.Swanson.Affiliate@unep.org
Sent: Mon 6/15/2015 6:50:12 AM

Subject: CCAC-OGMP - Point for next Reporting TF meeting? (Fiji's point about need for monitoring)

Carey,

Perhaps put issue on next Reporting TF meeting agenda and have Fiji introduce? Thanks and best regards,

Phil

----Forwarded by Philip Swanson/DTIE/UNEP/NBO/UNO on 06/15/2015 08:48AM -----

To: dnelson@edf.org, "Bylin Carey" <Bylin.Carey@epa.gov>, Manfredi

Caltagirone/DTIE/UNEP/NBO/UNO@UNON From: Philip Swanson/DTIE/UNEP/NBO/UNO

Date: 06/05/2015 02:21PM

Subject: CCAC-OGMP - monitoring

Fyi - see Fiji's comments about need for monitoring in second paragraph. Best, Phil

----Forwarded by Philip Swanson/DTIE/UNEP/NBO/UNO on 06/05/2015 02:11PM ----

To: "Philip.Swanson.Affiliate@unep.org" < Philip.Swanson.Affiliate@unep.org >

From: Fiji George <Fiji_George@SWN.COM>

Date: 06/05/2015 01:54PM

Cc: Jim Bolander < Jim Bolander @SWN.COM>, Mark Boling < Mark Boling @SWN.COM>

Subject: RE: CCAC documents

Thanks Phil. I will share with the ONE Future members. The goal is to ensure we can streamline procedures as much as possible so at least we have some minimum global standards. The policy designs to achieve the reductions may be different currently between ONE Future & CCAC but we need to consider whether CCAC can adopt the same principles on optionality as in the US (technology and performance based design).

In addition, as you have seen in our comments on some of the TGDs and also comments by EDF, it is imperative for program credibility to ensure the "presumed" BMP control technology and its controlled rates have some level of monitoring to ensure that the stated claim of reductions are being met. There are some international protocols (CDM- AM0023) and US (NSPS regulations) but for voluntary efforts to balance participation level and credibility, the monitoring program should be somewhere in between of these regulatory grade programs and voluntary programs like the current CCAC TGDs and US Gas STAR that do not have monitoring included. Hopefully, we will resolve this in the next few months.

Thanks,

Fiji George

Southwestern Energy

From: Philip.Swanson.Affiliate@unep.org [mailto:Philip.Swanson.Affiliate@unep.org]

Sent: Friday, June 05, 2015 4:59 AM

To: Fiji George

Cc: Jim Bolander; Mark Boling Subject: Re: CCAC documents

Fiji,

Sorry, I thought I had answered this question. Yes, fine to share the Technical Guidance Documents (and Framework) with ONE Future members, though of course please make clear that these are not yet final versions.

I believe we shared at least some of the draft TGDs with IPIECA last year for information. As you may recall, however, there was some sensitivity from some Partner companies about taking IPIECA up on its offer to comment on the documents until CCAC-OGMP had done its own internal review.

Regarding the IPIECA round table, they have not yet discussed with me the details. Please let me know if you have any particular concerns.

Thanks and best regards, Phil

----Fiji George < Fiji George@SWN.COM > wrote: ----

To: "Philip.Swanson.Affiliate@unep.org " < Philip.Swanson.Affiliate@unep.org >

From: Fiji George < Fiji George@SWN.COM >

Date: 06/04/2015 11:53PM

Cc: Mark Boling < Mark Boling@SWN.COM >, Jim Bolander < Jim Bolander@SWN.COM >

Subject: CCAC documents

Phil,

Couple of months ago, SWN had requested that CCAC TGDs and framework be shared with ONE Future members. We have not got a confirmation from you that we can share these with our members. Kindly advise your decision.

Have these CCAC documents been shared with IPIECA? I understand you will be at the IPIECA methane round table in Oct. Please advise what will be discussed under the agenda "Progress and results of methane initiative".

Thanks.

Fiji George Director, Strategic Solutions Tel: 832-796-2891 Mobile: 281.770.1744

Email: fiji.george@swn.com

Notice: This e-mail may contain privileged and/or confidential information and is intended only for the addressee. If you are not the addressee or the person responsible for delivering it to the addressee, you may not copy or distribute this communication to anyone else. If you received this communication in error, please notify us immediately by telephone or return e-mail and promptly delete the original message from your system. Thank you!

Notice: This e-mail may contain privileged and/or confidential information and is intended only for the addressee. If you are not the addressee or the person responsible for delivering it to the addressee, you may not copy or distribute this communication to anyone else. If you received this communication in error, please notify us immediately by telephone or return e-mail and promptly delete the original message from your system. Thank you!

To: Tom Michels[tmichels@bwstrategies.com]

From: Tom Michels

Sent: Thur 6/11/2015 3:55:40 PM

Subject: ONE Future mentioned in HBS/BCG Report on Unconventionals

Greetings all,

In case you missed it, ONE Future gets a few mentions in the just-released report from Harvard Business School entitled "America's Unconventional Energy Opportunity: A Win-Win for the Economy, the Environment, and a Lower Carbon, Cleaner Energy Future." The report is lengthy, and I haven't read it completely. But I pasted in one of the sections with a ONE Future mention below (from page 47) – in this segment, the authors are discussing the need to address methane leakage in order to transition to a lower-carbon future.

The report touches on many other hot topics, from oil and gas export policy to water quality and fracking. So you have some fodder for your summer reading list!

SPEEDING THE TRANSITION TO A CLEAN-ENERGY, LOWER-CARBON FUTURE

Unconventional natural gas is a powerful mechanism to achieve substantial, low-cost carbon reductions while enabling a long-term, cleaner-energy, and lower-carbon transition. To achieve that, a series of steps is needed.

Contain methane leakage

Containing methane leaks throughout the natural gas production and transportation process secures the climate benefits of natural gas. The current extent of methane leakage is becoming better understood, and there are economical methods available today to contain leakage throughout the natural gas value chain. The EPA, the oil and gas industry, and NGOs must work together to develop both regulatory standards and best practices to ensure that all operators sufficiently mitigate leakage risks. While voluntary efforts and economic incentives have already led many producers to reduce methane emissions, sufficient regulations are also needed to curtail the emissions of outliers.

The Obama Administration's recently proposed fugitive methane emissions reductions goals provide a constructive blueprint for balancing methane emission regulations with industry-led voluntary efforts.* The plan calls for a 40–45% reduction in fugitive methane emissions from oil and gas activity by 2025. For new oil and gas assets, including wells, gathering stations, processing plants, and transmission compressor stations, the EPA will establish rules to regulate methane emissions. For existing assets, the EPA will encourage voluntary reductions, utilizing the existing EPA Natural Gas STAR program, which encourages oil and gas companies to adopt cost-effective methods of methane containment. If the Administration's plan is implemented through performance-based regulations and active industry leadership, it can move the U.S. forward by developing some regulations to encourage higher performance, while also giving industry players the opportunity to proactively reduce methane in their current operations.

Immediate actions:

• □ □ □ □ □ Finalize the Obama Administration's plan to reduce methane leakage in the oil and
gas sector by 40-45% through flexible federal methane leakage standards for new oil and gas
installations together with an enhanced voluntary Gas STAR improvement program for existing
installations.

• \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
existing installations achieves its targets through existing bodies like America's Natural Gas
Alliance (ANGA) and American Petroleum Institute (API), or through new coalitions such as
One Future

Set policies that encourage cost-effective emissions reductions

Natural gas is an essential tool for making cost-competitive carbon reductions in the power sector through 2030. Natural gas is the only fuel that is low-carbon, economically competitive, and highly scalable in the near term. And natural gas expansion does not lock in gas-fired power over the long term, as discussed in Chapter 5.

To speed up natural gas-based carbon reductions through 2030, climate policies and regulations should be market-based, so that cost-effective reductions are encouraged independent of specific technologies. Market-based policies, such as a carbon charge or cap-and-trade, are the most economically efficient ways of achieving emissions-reduction goals. They provide policy certainty for companies, reward the lowest-cost reductions, and encourage businesses to innovate and choose the most-effective emissions reduction options.

For example, if the proposed Clean Power Plan (CPP) or a similar policy is implemented, it should employ well-structured market mechanisms to achieve the most cost-effective reductions. Our estimates suggest that natural gas will be relied on heavily to implement

*The Administration's plan to reduce methane emissions from the oil and gas sector, announced January 14, 2015, is separate from the EPA's proposed Clean Power Plan. The methane emissions plan is focused on the oil and gas sector, whereas the Clean Power Plan is focused on the power sector.

emissions plan is focused on the oil and gas sector, whereas the Clean Power Plan is focused of the power sector.

Best regards,

Tom

Tom Michels

Executive Director

ONE Future Coalition

www.onefuture.us

Principal,

BlueWater Strategies Ilc

25 Massachusetts Avenue, NW

Suite 820

Washington, DC 20001

tmichels@bwstrategies.com

Direct - 202-589-1759

Office - 202-589-0015

Mobile -202-413-2059

This message may contain information that is privileged or confidential. If you receive this transmission in error, please notify the sender by reply e-mail and delete the message and any attachments.

To: From: Sent: Subject: CPI Meetin	sdavis@ccap.org[sdavis@ccap.org]; Laura Wang[LWang@ccap.org] Stacey Davis Wed 6/10/2015 3:34:47 PM Summary: May 19th Climate Policy Initiative dialogue meeting ng Summary May 2015 Final.pdf
Dear CPI	colleagues,
	please find a summary of CCAP's May 19, 2015 Climate Policy Initiative dialogue At this meeting, we:
Clean Por	Gained a better understanding of the design choices available to states under the wer Plan, including the potential contours of EPA's proposed federal plan and options g state plans;
	□□□ Learned about opportunities to reduce emissions from the oil and gas sector xploration of the One Future proposal; and
	Considered the additional actions that may be needed across the economy to meet nistration's goal of reducing greenhouse gas emissions by 26-28 percent below 2005 2025.
insights o Kelly Spe van Hoog	nanks go out to all of our speakers and respondents for sharing their expertise and on the different topics, including Kyle Danish, Don Elliott, David Doniger, Franz Litz, eakes-Backman, John Lyons, Joel Bluestein, Fiji George, Patrick McDonnell, David estraten, Richard Meyer and Karl Hausker. Thanks also to the many participants who ed to the discussions.
of the fina	full dialogue meeting will tentatively be held in September 2015, following the release al Clean Power Plan and the federal model plan. As always, we are open to your ns for specific topics.
Best rega	rds,
Stacey	

Stacey Davis | Senior Program Manager

sdavis@ccap.org

Center for Clean Air Policy (CCAP)

750 First Street NE, Suite 940 | Washington, D.C. 20002

Direct: +1.202.350.8575

Main: +1,202,408,9260

Mobile: +1.202.280.4065



Established in 1985, CCAP works with U.S. and international business and government leaders to secure climate change agreements that reduce greenhouse gas pollution. Please support our work through the Combined Federal Campaign (CFC) #71928.







Climate Policy Initiative Meeting Summary

May 19, 2015

The Center for Clean Air Policy hosted a meeting of the Climate Policy Initiative dialogue on May 19, 2015. The focus was on better understanding the design choices that may be available to states under the Clean Power Plan, including the potential contours of EPA's proposed federal plan and options for linking. We also began to look at options for reducing emissions from existing oil and gas facilities, and considered the additional actions that may be needed across the economy to meet the Administration's Intended Nationally Determined Contribution (INDC).

Key take-away points are as follows:

- Some federal model rule design choices entail legal risk. While EPA technically should be able to do anything a state could do, practically there are some designs that assume a higher degree of legal risk. For example, regulation of utilities (rather than electric generating units) or inclusion of new NGCC units under a federal plan may entail a higher degree of risk. As states evaluate whether to design their own programs, they may wish to consider how EPA's model rule may avoid certain legally risky approaches. If states want to make use of such options, there may be advantages to designing their own plans.
- Likely scenarios for the design of a model rule. EPA will likely issue two model state plans, one with a rate goal and the other using a mass goal. Both plans are more likely to regulate electric generating units (not utilities). A model plan assuming a mass standard could facilitate interstate trading by allowing compliance using allowances from other states that adopt a mass approach. A model rule with a rate standard could easily foster averaging within the state, but it would be harder for EPA to develop a model rule that promotes interstate credit trading. Given these alternatives, a model rule using a mass standard might do a better job facilitating low cost compliance solutions.
- Informal linking under a mass-based approach appears promising. Rather than attempt to establish formal multi-state agreements, states can potentially get the benefits from linking (lower costs and improved reliability from interstate trading) while avoiding some of the downsides by establishing state plans that accept allowances from other states. Each state plan would need to meet minimum requirements for linking. This approach offers a straightforward way to facilitate trades across states that adopt mass-based goals. There are potentially some additional hurdles to instituting informal linking under a rate approach.
- The oil and gas sector offers opportunities for cost-effective emissions reductions. More than 70 MMT CO_2 e of methane emissions reductions from existing oil and gas facilities are available at costs below \$8 per tonne. These costs are relatively low compared to the cost of mitigation options that are expected to be used to achieve compliance with the Clean Power Plan.

- Capturing methane reduction opportunities will require sector-wide participation and strong
 monitoring provisions to ensure that high-emitting sources ("fat tails") are identified and
 addressed. Voluntary programs such as One Future could play a role in achieving the needed
 emissions reductions to the extent that such programs garner industry-wide participation,
 include comprehensive monitoring to identify the most important mitigation opportunities, and
 accurately quantify emissions reduced.
- Meeting the Administration's 2025 INDC will require mitigation actions across the economy.
 The Clean Power Plan alone (as proposed) gets only 42 percent of the way to the Administration's INDC. Unless EPA's final Clean Power Plan is considerably more ambitious than the proposal, meaningful actions will be needed from a range of other sectors to meet the 2025 contribution.

EPA's Options in Defining a Model Plan

With help from a legal panel consisting of Kyle Danish of Van Ness Feldman, Don Elliott of Covington & Burling and Yale Law School and David Doniger of NRDC, the first session of the meeting focused on what EPA is likely do in defining a model plan, looking especially at which design options are "safe" or "less safe" from a legal standpoint. Several additional lawyers in the audience also weighed in on the discussions.

This summer (now August 2015) EPA will be releasing a model plan that can be considered by states as an option for compliance (a helpful menu or template), and which can also be looked at as an indicator of what the EPA might do (a stick) in the event that states either do not submit their own plan, or submit a plan that is found to be at least partly inadequate. EPA's model plan would be geared towards ensuring that states achieve the state goal over the required timeframe. It could also serve as a model of an acceptable plan in instances where states have limited capacity or political will to evaluate the full range of options. There is also a notion that having a better sense of EPA's plan could motivate some states to pursue a more tailored approach (or not), and for this reason, states are looking for certainty on what a federal plan will look like. It was also noted that a federal plan that is too draconian might be unconstitutional if it essentially forces states to develop their own plan. Some felt that EPA is likely to issue two versions of a model plan, one founded on a rate goal and another using a mass goal. Both versions would be subject to stakeholder comment.

In determining the elements of a model state plan, there are several overarching considerations. First, EPA can view the task from the state's perspective (e.g., from the state's shoes), and is generally able to apply the same tools that are available states. Second, EPA's decisions on the different design elements will be on more solid ground to the degree that the Agency can justify its decisions based on emissions

For example, the penalty of losing Medicare funding under the Affordable Care Act was seen as forcing states to comply, as the penalty was too severe.

reductions rather than equity or cost considerations. A third issue involves minimizing costs to the Agency. EPA is unlikely to develop highly different federal plans for each state that fails to submit a state plan; rather, the designs will likely follow the same general template.

Panelists shared their views on the following plan design elements:

Point of regulation

EPA is safest applying standards at the unit level (the emissions source), as called for in the text of Section 111(d). The more EPA deviates from that, the Agency will be on shakier ground. That said, regulating at the utility level is possible through the cross-reference in the text to Section 110.² A model plan in which EPA pursues a state portfolio or commitment approach was deemed to be hard to square with Constitutional authorities left to states. And in particular, measures that call for enhanced energy efficiency would be on particularly shaky ground as energy efficiency is not referenced in Section 110 and is pretty far from the emissions source. An RPS also seems questionable,³ and either approach normally requires state legislative authority. The lawyers felt that it doesn't make sense for the Agency to pursue state energy efficiency and renewable energy policies, particularly given the availability of other flexible approaches (e.g., market-based approaches) to achieve the low cost compliance options.

Mass vs. Rate

EPA would be on solid footing to advance model rules using either a mass and rate approach, and in fact could issue two separate model rules. One lawyer suggested that the preferred approach for any given state could depend on the prevailing strategy used by others within the same electric market in order to reduce the potential for emissions leakage.

That said, a mass approach has some advantages. A mass-based approach was upheld in the Cross-State rule, and is more consistent with advancing a multi-state trading system since EPA would not need to adjust the goal for other states (seen as beyond EPA's authority in defining a state plan) as it would to provide for averaging of state goals under a rate approach. A rate approach, however, is still possible. EPA would need to establish crediting rules and compliance using energy efficiency and renewable energy credits would need to be voluntary.

Trading

It was felt that not having trading at all would offer the safest approach, but it would also be (by far) the most expensive. Given the cross-reference to Section 110, which explicitly mentions marketable permits,

² Section 110(a)(5) only prohibits EPA from evaluating whether a source attracts mobile sources of poll ution. Section 302(y), which defines the term "Federal Imp lementation Plan" allows for "other control measure s, means or techniques (including economic incentives, such as marketable permits or auctions of emission s allowances)".

Reference was made to the Montana Sulfur case in w hich EPA relied on policies (limits on flaring) used in other states as a basis for applying the policy solution in a federal plan.

trading should also be safe. However, trading that involves a multi-state plan under a rate approach could not be done because it would involve adjusting the goal of another state.

Treatment of new Natural Gas Combined Cycle units

Because Section 111(d) specifically regulates existing sources, deciding to include new NGCC sources in a state's 111(d) state plan would be fairly risky (unsafe) from a legal standpoint. EPA could potentially justify this under the notion of stepping into a state's shoes to ensure the emissions reductions are maintained by avoiding leakage and encouraging replacement of coal with new NGCC. (However, it was also noted that In a rate context in deregulated states, including new NGCC in the state plan could lead to an increase in emissions if it leads to retirements of nuclear plants.) However, EPA may be better off looking to other ways to address leakage, for example, by adjusting the state's goal in the event of significant changes in power imports/exports. Finally, one participant noted that modified and reconstructed sources would be covered under 111(d), so there is some overlap across 111(b) and (d).

Allowance Allocation

EPA should be safe in freely allocating allowances to covered units, and/or in auctioning the allowances⁴. However, EPA would not have authority to distribute the revenues from an auction, as this power resides with state legislatures. If EPA felt there were good reasons to justify an auction (e.g., program effectiveness in reducing emissions), the Agency could potentially create a bank account that the state would decide how to disburse. Alternatively, EPA could direct the use of allowance value through creation of a set-aside provision (e.g., where a portion of allowances would support investments in low/zero-carbon energy or other specific uses). This would also need to be justified on an effectiveness basis.

Differentiate plan designs across states

EPA should not blind itself to state-specific circumstances. In particular, EPA is within its authorities to define different plans for different states if the differences support the goal of reducing emissions.

Enforcement

For guidance on enforcement under 111(d), we can look to the Code of Federal Regulations Part 60 Subpart B, which calls for EPA to promulgate regulations within 6 months of the state's (missed) deadline. However, these regulations offer flexibility to EPA to offer extensions. We can also look to the reference to Section 110. Under Section 110, EPA is supposed to promulgate a Federal implementation plan within 2 years from the time that the Administrator finds a state has either failed to submit a plan or submits a plan that does not satisfy minimum criteria.

In the case where a state decides not to prepare a 111(d) state plan in the first place, there is likely to be little difference in the way that EPA proceeds with developing a federal plan under Section 111(d) as compared to Section 110. However, in the case where a submitted 111(d) state plan is considered

⁴ "(A)uctions of emissions allowances" are specifically referenced under Section 302(y).

inadequate, enforcement under Section 111(d) could differ from Section 110. In particular, there is a different ability for third parties to sue under Section 111(d), as there is no clear standard for inadequacy the same way that failure to meet the criteria pollutant national ambient air quality standard (NAAQS) offers a clear standard. Third party suits often prompt EPA action, so without such suits, EPA may be less likely to impose a federal plan. Instead, we might be more likely to see the Agency work with the state and consider whether reasonable further progress is being made towards the state goal.

Designing State Plans to Facilitate Linking

Analysis by PJM and others have demonstrated that most states will benefit by participating in trading across states, both in terms of lower cost and enhanced power reliability. However, whereas the Clean Power Plan as proposed contemplates a formal process that states might undertake to foster interstate trading through joint development of multi-state plans, there are a number of risks and disadvantages to pursuing plans on this basis. In addition to the general difficulties involved in coordinating across differently-positioned states, under a multi-state plan, compliance could be dependent on actions (inaction) of other state(s), and under a rate goal, some states might have to accept a multi-state goal that is more stringent than the one originally assigned by EPA. Franz Litz, a CCAP consultant with Litz Energy Strategies, presented on alternative less formal strategies to design state plans to facilitate linking. Already, state groups in several regions of the country are exploring options for linking, and there appears to be interest in approaches where states don't have to design their plans in tandem and have flexibility on whether and when to allow interstate trading. This can happen if state plans allow for compliance using credits or allowances from other states.

EPA could facilitate this type of less formal linking arrangement by establishing minimum requirements for one state to recognize allowances or credits from another state. Under a mass-based standard, this could include having an EPA-approved budget (and issuance of allowances up to that budget amount), a requirement to cover emissions with allowances, and having a consistent, robust emissions tracking system.

Under a rate-based approach, the potential for emissions leakage under an informal linking arrangement (as compared to a formal multi-state plan as envisioned by EPA) creates an added complexity. Having state goals in the form of a rate (without interstate trading) can lead to emissions leakage to the degree that the assigned state goals differ across states in the same power region. FPA's proposal calls on states that want to link together under a rate approach to average their emission rate

⁵ For example, natural gas combined cycle units in a state where the state goal is relatively lenient (e.g., 1,500 lb/MWh) will see a marginal incentive for every kWh generated from an NGCC unit, lowering operating co sts and the bid price for that unit and leading to high er operating capacity factors. NGCC units in states with tougher state goals could see a smaller incentive or even a marginal cost.

goals, creating a built-in incentive to combat leakage to the degree that states wish to lower compliance costs through credit trading.

An informal rate-based linking program would not intrinsically address the leakage concerns created by having different rate goals within the same power region, and could create additional seams issues⁶ that impact regional emissions if key program elements are not consistent. Short of requiring states to average their rate goals, EPA might require states to evaluate (model) the regional impact to demonstrate the degree to which leakage is likely to take place as compared to a multi-state plan where participating states adopt the same goal. Significant leakage could be addressed through other means (e.g., import/export adjustments). Another option (as proposed by Western Resource Advocates) is to apply an emission rate factor exchange rate to value energy savings from clean energy resources as if the energy were generated in the state that ultimately purchases the credits, removing a possible incentive to site low/zero-carbon energy in higher emission rate states. However, one participant commented this wouldn't change the dynamics in the wholesale electric system.

Beyond what EPA might require to ensure achievement of the expected emissions reductions at the state and regional levels, states might want to consider additional criteria to promote fairness. This could mean ensuring that similar units in different states see the same incentives, or only accepting credits from states that are asked to assume a similar level of overall effort. In the case of RGGI, some of the key criteria for participation have included: 1) acceptance of emissions limits that maintain the stringency of RGGI; 2) paying for the state's fair share of administrative costs; 3) ensuring that allowances are tradable across the RGGI states; and 4) using a substantial amount of allowance revenues for direct consumer benefits. States will want to understand the impacts to their own electric generators, utilities and consumers of different linking scenarios.

In her response, Commissioner Kelly Speakes-Backman from the MD Public Service Commission highlighted a number of advantages to the RGGI coordination process and policy, including macroeconomic benefits, cost savings from pooling resources for modeling and analysis, and the advantages of coordinating modeling scenarios to reflect regional business-as-usual trends in energy efficiency and renewable energy to gain a better understanding of future state and regional emissions. RGGI brought together a bipartisan group of states with different generation portfolios that were part of different ISOs. RGGI also accommodates different priorities in use of allowance revenues. In contrast, stakeholders in Kentucky do not see benefits from interstate trading and are looking at unilateral approaches to compliance. Assuming the final state goal is comparable to the proposed goal, Kentucky

⁶ For example, because zero/low-carbon energy (when credited in the denominator or based on emissions reduced as compared to the state goal) is worth mor e in states with higher emissions rates and/or high er emission rate goals, there could be an incentive to site low/zero-carbon energy projects in these states (or sell the MWhs or credits generated or saved from su ch projects to these states). In addition, seams is sues could be created if there are different rules on: 1) how to estimate energy savings from energy effici ency measures, 2) quantifying emissions reductions attributable to zero/low-carbon energy sources, and 3) addressing double counting of emissions reductions.

could have credits to offer thanks in large part to planned retirements. It seems likely that discussion on linking and other design issues will not happen in earnest in Kentucky until after the gubernatorial elections later this year.

Approaches to Reducing Methane from Existing Sources of Oil and Gas

A strong climate-forcing gas with a global warming potential that is 20 times greater than carbon dioxide, methane emissions account for 9% of total domestic GHG emissions. The oil and gas industry makes up about 28% of this total. Within the oil and gas sectors, about 90% of methane emissions come from existing sources. Overall, despite a 37% increase in oil and gas production, emissions from the oil and gas industry are down 16% from 1990 levels due to more effective control devices and well completion methods. Emissions are projected to rise by 4.5% from 2011 to 2018 due to a projected further increase in gas production.

In January 2015, as part of the Climate Action Plan, the White House released its goal of reducing methane emissions by 40-45% by 2025 from 2012 levels, which is equivalent to 87.5-95.4 MMT CO_2e . The announcement included new actions across federal agencies as well as a call for further policies to reach this target. In summer 2015, EPA expects to release a 111(b) rule addressing new and modified sources of methane from the oil and gas sector. In the coming weeks, EPA will also release a proposed Enhanced Natural Gas Star program, which will seek to achieve emissions reductions from existing oil and gas sources using voluntary means.

Through a focus on the One Future Initiative proposal, this session looked at how voluntary approaches can help reduce methane emissions from existing sources of emissions in the oil and gas sector and contribute to meeting the overall sector-wide goals.

Emissions Overview and Abatement Opportunities

Joel Bluestein from ICF International provided an overview of the different existing sources of methane emissions and mitigation opportunities. ICF's economic analysis characterized costs for reducing emissions from 19 emission sources and 11 available control technologies across the diverse value chain. Significant abatement opportunities include leak detection and repair of fugitive emissions at facilities and gas compressors, reduced venting of associated gas, and replacement of high-emitting pneumatic devices. Due in part to the economic value of methane, the industry-wide study finds that the net cost to reduce onshore oil and gas emissions in the U.S. by 40% would be less than \$0.01/Mcf of gas produced. On a cost per tonne basis, the vast majority of emissions reductions are estimated to cost less than \$8 per tonne CO₂e. Co-benefits include reductions in VOCs and HAPs. The opportunities for reductions vary regionally and by site. Across the sector, about 20 percent of the emission source categories account for 80 percent of the emissions.

Other participants further emphasized the notion that a small subset of equipment or wells is responsible for the majority of leaks within the natural gas system. These "super-emitters" or "fat tails" exist at all sites, regardless of size.

A Voluntary Framework: the One Future Initiative

Fiji George, on behalf of the One Future Initiative, introduced an industry-led proposal that offers a flexible framework to achieve reductions in CH₄ emissions from participating sources across the entire oil and gas value chain using a performance-based approach. Initiative partners aim to collectively achieve a 1% leakage rate by 2025 (down from the current 1.3% leakage rate) through their own voluntary programs, such as direct maintenance and leak detection and repair (LDAR) programs. Under the One Future proposal, each partner is assigned an emissions rate based on their segment of the oil and gas sector (e.g., production; processing; transmission and storage; and distribution), and One Future participants can lower compliance costs through averaging. Sectoral targets will be determined based on proportional emissions and the availability of cost-effective abatement opportunities. With sufficient participation in rigorous voluntary programs, Mr. George was hopeful that the industry might be able to avoid the need for future 111(d) regulation under the Clean Air Act.

CPI participants raised a number of points in the discussion, including the following:

- Participation levels. In general, for voluntary programs to be effective, they will need to account for all of the large emitters (e.g., "fat tails"). As it is not easy to predict the location of these "fat tails", this would suggest that the entire industry would need to participate, including smaller sources, if only to monitor emissions levels to detect the presence of "fat tails". 8 companies are planning to participate in the One Future Initiative, and many others are waiting to see how EPA specifies requirements for voluntary programs under the (forthcoming) Enhanced Natural Gas Star proposal, including whether credit is given for early action.
- Monitoring, Reporting and Verification. Under any voluntary program, ongoing monitoring of emissions will be critical to identifying the "fat tails" and to controlling these emissions. In his response, Patrick McDonnell of the Pennsylvania DEP highlighted the need to overcome measurement and verification issues with regard to the baseline. While the top 40 producers of natural gas already report emissions under the GHG reporting rule, reports can be based on emission factors and miss sources that fall below the reporting threshold as well as emissions from blowdowns and accidents. For the One Future program in particular, which relies on trading of emissions reductions to support compliance, strong measurement protocols would be needed, and third party verification would improve the reliability of the results. One Future Initiative participants are proposing use of a reporting protocol that tracks emissions for sources not currently required to report to EPA's GHG Reporting Program. However, they have not decided whether to use 3rd party verification or self-verification methods. Finally, it was noted that while many technological approaches currently exist to monitor methane emissions, they can also be costly to implement.

- Equity considerations/downstream sources. The ICF analysis shows that emissions from downstream sources are much more costly to mitigate due to challenges in replacing old pipes, which are concentrated in older cities. Pipe replacement schedules are often regulated at the local level through utility commissions and replacement costs are typically passed down to consumers. The high mitigation costs for the distribution sector and the limited ability of the sector to respond on a timely basis to market prices for CO₂e raise the question of how to fairly and appropriately include distribution companies in a comprehensive, market-based voluntary program structured like One Future. One option is to set a less aggressive mitigation goal for the distribution part of the supply chain (and compensate with stronger goals in other areas). Another option is to develop a different approach for this part of the sector.
- Regulatory overlap. Industry seeks greater certainty on how mitigation actions under a voluntary methane program might support future compliance obligations. For example, can actions taken voluntarily be credited towards future mandatory methane requirements? And how would measures taken to reduce methane, but that also reduce VOCs, be treated in future state implementation plans for ozone? This is particularly an issue in rural areas that may be newly designated as non-attainment, and where there are few other options for offsetting. Can early action towards implementation of control technique guidelines earn credits towards future ozone offsetting obligations? And can record keeping be streamlined across the different programs?
- Voluntary vs. mandatory. Industry representatives highlighted the potential to reduce methane
 emissions through voluntary actions and voiced support for flexible approaches, both to
 "preserve the green halo on natural gas" and to stave off future mandatory methane
 requirements for existing sources. In contrast, others believe regulation is needed to overcome
 market failure and take advantage of the cost-effective mitigation options within the sector.
 One participant raised the issue of whether natural gas consumers (e.g., electric utilities) can
 encourage lower levels of leakage across the natural gas chain through supply chain measures.

Meeting the Administration's INDC

In the final session, Karl Hausker of the World Resources Institute explained possible mitigation scenarios that would meet (or even exceed) the Administration's climate mitigation goals as expressed in the U.S. Intended Nationally Determined Contribution (INDC) to reduce emissions to between 26 and 28 percent below 2005 levels by 2025.

The World Resources Institute evaluated three scenarios, including: 1) a **core ambition scenario** that looked at implementation of the Clean Power Plan as proposed, along with other measures deemed to be technically feasible and economically realistic that could be achieved administratively under current legislative authorities; 2) a **power sector push scenario** that assumed the power sector could go beyond a 30 percent reduction below 2005 levels by 2030 to ultimately achieve a 30 percent reduction in the

U.S. overall by 2025; and 3) a **targeted sector push scenario** achieving an equivalent outcome to scenario #2, but where the Clean Power Plan is implemented "as is" and other sectors are pushed harder. For details on the WRI analysis, see www.wri.org/publication/us-climate-commitment-10-point-plan.

Under the proposed Clean Power Plan, the power sector would only achieve 42 percent of the emissions reductions needed to meet the Administration's INDC. Drawing from a 2010 National Academy of Sciences study, under the core ambition scenario, most other sectors across the economy would need to contribute emissions reductions, including:

- Vehicles, including expanded and strengthened CAFÉ standards beyond the 2025 model year, efficiency standards for medium and heavy duty trucks, and local efforts to continue reductions in vehicle miles traveled through improved transportation alternatives;
- Industry sectors, including use of Clean Air Act 111(d) authority to achieve efficiency improvements and fuel switching;
- New and existing natural gas systems through new standards; and
- Residential and commercial sectors, including through new and strengthened federal appliance efficiency programs and removal of higher global warming potential HFCs from the market.

WRI's study concludes that the U.S. INDC will require substantial effort beyond current plans. Achieving higher levels of ambition will require more reductions from the power sector (beyond the Clean Power Plan as proposed) and/or more aggressive measures to reduce emissions from other sectors.

Next Steps

CCAP expects to host the next CPI meeting in September 2015, following EPA's release of the final Clean Power Plan rule. We will also reach out to stakeholders to assess whether some additional small group sessions could be helpful in supporting a more workable voluntary program for existing oil and gas sources of methane emissions.

CPI Meeting Summary

To: Frank Mack (Services - 6)[frank.mack@dom.com]

Cc: Bylin, Carey[Bylin.Carey@epa.gov]; Anand Yegnan (Services - 6)[Anand.Yegnan@dom.com]

From: DeLuca, Isabel

Sent: Wed 3/30/2016 4:10:20 PM

Subject: RE: Dominion Transmission Inc. - Partnership Agreement for Methane Challenge & Other

Information

Here's the listing:

https://www3.epa.gov/gasstar/methanechallenge/partners.html

From: Frank Mack (Services - 6) [mailto:frank.mack@dom.com]

Sent: Wednesday, March 30, 2016 11:25 AM **To:** DeLuca, Isabel < DeLuca.Isabel@epa.gov>

Cc: Bylin, Carey <Bylin.Carey@epa.gov>; Anand Yegnan (Services - 6)

<Anand.Yegnan@dom.com>

Subject: RE: Dominion Transmission Inc. - Partnership Agreement for Methane Challenge &

Other Information

I went to this link at the bottom of the news 5rleawe, expecting to find the list of companies:

Learn more about the Methane Challenge Program and list of founding partner companies: https://www3.epa.gov/gasstar/methanechallenge/

Thanks

From: Frank Mack (Services - 6)

Sent: Wednesday, March 30, 2016 11:16 AM

To: 'DeLuca, Isabel'

Cc: Bylin, Carey; Anand Yegnan (Services - 6)

Subject: RE: Dominion Transmission Inc. - Partnership Agreement for Methane Challenge & Other

Information

Got it (and found the same just before you sent it) but where would the listing be of all the companies (such as Dominion) who are founding partners?

Thanks

From: DeLuca, Isabel [mailto:DeLuca.Isabel@epa.gov]

Sent: Wednesday, March 30, 2016 11:13 AM

To: Frank Mack (Services - 6)

Cc: Bylin, Carey; Anand Yegnan (Services - 6)

Subject: RE: Dominion Transmission Inc. - Partnership Agreement for Methane Challenge & Other

Information

Apologies—it's a long url and must not have pasted properly.

New url, and entire body of the press release are below:

https://yosemite.epa.gov/opa/admpress.nsf/bd4379a92ceceeac8525735900400c27/d18d3f2c205f996285257f860

EPA Launches New Voluntary Methane Challenge Program To Reduce Emissions from the Oil and Gas Sector

Release Date: 03/30/2016

Contact Information: Enesta Jones, jones.enesta@epa.gov, 202-564-7873. 202-564-4355

WASHINGTON—Today, as part of the Obama Administration's ongoing commitment to take action on climate change and protect public health, EPA is launching a new voluntary partnership program—with 41 founding partner companies in the oil and gas sector. The Natural Gas STAR Methane Challenge Program builds upon the Natural Gas STAR Program, a flexible, voluntary partnership between EPA and the U.S. oil and natural gas industry that focuses on achieving cost-effective methane emission reductions from natural gas operations. Methane is upwards of 25 times more potent than carbon dioxide in warming the planet.

"To protect public health and combat climate change, today, we are expanding our voluntary partnerships to reduce methane emissions from the oil and gas sector through our new Methane Challenge program, which is a platform for companies to transparently report actions to reduce methane emissions and to be publicly recognized as leaders in reducing methane emissions in the United States," said EPA Administrator Gina McCarthy. "The voluntary Methane Challenge program is one important part of our overarching strategy to reduce methane emissions, and complements regulatory efforts that will help the United States meet the Obama Administration's goal of reducing methane emissions by 40 to 45 percent by 2025."

The new program was announced today at the Global Methane Forum, hosted by the <u>Global Methane Initiative</u> and the <u>Climate and Clean Air Coalition</u>, which has brought together hundreds of policymakers and industry experts from more than 50 countries to discuss strategies to reduce global methane emissions.

The Methane Challenge Program will provide partner companies with a platform to make company-wide commitments to cut emissions from sources within their operations by implementing a suite of best management practices within five years. Transparency is a fundamental part of the program, and partner achievements will be tracked by submitting annual data directly to EPA. Partner companies have committed to replacing or rehabilitating cast iron and unprotected steel distribution mains, and to reducing methane emissions from pipeline blowdowns, among other activities.

The Methane Challenge Program has the potential to achieve significant emissions reductions in a cost-effective way, and is an important component of the Administration's 2014 Methane Strategy, which set out regulatory and voluntary approaches for reducing methane emissions by 40 to 45 percent below 2012 levels by 2025. EPA expects program participation to grow over time and is actively working to expand the options for participation by finalizing an additional Emissions Intensity Commitment option through the ONE Future Coalition. ONE Future is a coalition of natural gas companies focused on increasing efficiency across the natural gas supply chain.

Another key outcome of the Global Methane Forum is the re-chartering of the Global Methane Initiative (GMI) for the next five years. In addition, the Forum has provided an opportunity for the GMI, the Climate and Clean Air Coalition, and the United Nation's Economic Commission for Europe to collaborate in strategically aligning their methane mitigation activities.

The GMI is a partnership of 43 countries, including the United States, aimed at achieving cost-effective methane reductions across five sectors: municipal solid waste, wastewater, agriculture, coal, and the oil and gas sector. Together, GMI's 43 partner countries account for approximately 70 percent of global methane emissions from targeted sources. Since 2004, partner countries avoided nearly 350 MMTCO2e in methane emissions from these sources.

Learn more about the Methane Challenge Program and list of founding partner companies: https://www3.epa.gov/gasstar/methanechallenge/

Learn about the Global Methane Initiative: https://www.globalmethane.org/

Learn about the Global Methane Forum: https://www.globalmethane.org/forum/index.html

Learn about the Climate and Clean Air Coalition: http://www.ccacoalition.org/

From: Frank Mack (Services - 6) [mailto:frank.mack@dom.com]

Sent: Wednesday, March 30, 2016 11:10 AM

To: DeLuca, Isabel < DeLuca. Isabel @epa.gov >

Cc: Bylin, Carey < Bylin. Carey@epa.gov >; Anand Yegnan (Services - 6)

<Anand. Yegnan@dom.com>

Subject: RE: Dominion Transmission Inc. - Partnership Agreement for Methane Challenge &

Other Information

Isabel,
The link is not working so could you copy and paste the release in an email?
Thanks
Frank
From: DeLuca, Isabel [mailto:DeLuca.Isabel@epa.gov] Sent: Wednesday, March 30, 2016 11:08 AM To: Frank Mack (Services - 6) Cc: Bylin, Carey; Anand Yegnan (Services - 6) Subject: RE: Dominion Transmission Inc Partnership Agreement for Methane Challenge & Other Information
Hi Frank,
Thanks for the call just now. Our press release has just gone out and can be found here:
https://yosemite.epa.gov/opa/admpress.nsf/bd4379a92ceceeac8525735900400c27/77e8a4b1fbd553c785257f85best wishes,
Isabel DeLuca
Director of Communications Climate Change Division, US EPA
Chinate Change Division, US LI A

(202) 343-9247

From: Frank Mack (Services - 6) [mailto:frank.mack@dom.com]

Sent: Monday, March 28, 2016 4:44 PM

To: DeLuca, Isabel < <u>DeLuca.Isabel@epa.gov</u>>

Cc: Bylin, Carey < Bylin. Carey@epa.gov >; Anand Yegnan (Services - 6)

Anand.Yegnan@dom.com

Subject: RE: Dominion Transmission Inc. - Partnership Agreement for Methane Challenge &

Other Information

No problem.

Did not want to assume, so thanks for clarifying.

From: DeLuca, Isabel [mailto:DeLuca.Isabel@epa.gov]

Sent: Monday, March 28, 2016 4:42 PM

To: Frank Mack (Services - 6)

Cc: Bylin, Carey; Anand Yegnan (Services - 6)

Subject: RE: Dominion Transmission Inc. - Partnership Agreement for Methane Challenge & Other

Information

That's right- sorry not to be more specific. We are planning on issuing a press release at 11 am on Wednesday, March 30.

From: Frank Mack (Services - 6) [mailto:frank.mack@dom.com]

Sent: Monday, March 28, 2016 4:41 PM

To: DeLuca, Isabel < DeLuca. Isabel @epa.gov >

Cc: Bylin, Carey <Bylin.Carey@epa.gov>; Anand Yegnan (Services - 6)

<<u>Anand.Yegnan@dom.com</u>>

Subject: RE: Dominion Transmission Inc. - Partnership Agreement for Methane Challenge &

Other Information

Isabel,
Just to confirm, that's 11 a.m. on Wednesday, March 30?
Thanks
Frank
From: DeLuca, Isabel [mailto:DeLuca.Isabel@epa.gov] Sent: Monday, March 28, 2016 4:38 PM To: Frank Mack (Services - 6) Cc: Bylin, Carey; Anand Yegnan (Services - 6) Subject: RE: Dominion Transmission Inc Partnership Agreement for Methane Challenge & Other Information
Hi,
Thanks for your note. Yes we are planning on issuing a news release at 11 am. Please let me know if you have any other questions.
Best,
Isabel DeLuca
Director of Communications
Climate Change Division, US EPA
(202) 343-9247

From: Frank Mack (Services - 6) [mailto:frank.mack@dom.com] Sent: Monday, March 28, 2016 4:34 PM To: DeLuca, Isabel < DeLuca.Isabel@epa.gov > Cc: Bylin, Carey < Bylin.Carey@epa.gov >; Anand Yegnan (Services - 6) < Anand.Yegnan@dom.com > Subject: RE: Dominion Transmission Inc Partnership Agreement for Methane Challenge & Other Information
Isabel,
I spoke with Anand who said I should follow up with you to see if the EAP is planning to issue a news release announcing the Natural Gas STAR Methane Challenge Program?
If so, what is the timing?
Please advise
Thanks
Frank Mack, APR
Manager-Dominion Transmission Communications
Dominion Energy
804.771.3141 (tie 736) (work)
804.385.8755 (cell)
www.dom.com

From: Anand Yegnan (Services - 6) Sent: Monday, March 28, 2016 3:52 PM To: Frank Mack (Services - 6) Subject: FW: Dominion Transmission Inc. - Partnership Agreement for Methane Challenge & Other Information Frank – Would you be able to reach out to EPA's communication person and get more information? Please see contact information for the EPA person. -Anand From: Bylin, Carey [mailto:Bylin.Carey@epa.gov] Sent: Monday, March 28, 2016 3:49 PM To: Anand Yegnan (Services - 6) Cc: DeLuca, Isabel Subject: RE: Dominion Transmission Inc. - Partnership Agreement for Methane Challenge & Other Information Hi Anand, Our communications contact is Isabel Deluca, who is cc'd on this e-mail. Ms. Carey Bylin International Programs Leader, Oil and Gas Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Anand Yegnan (Services - 6) [mailto:Anand.Yegnan@dom.com]

Sent: Monday, March 28, 2016 3:45 PM **To:** Bylin, Carey < <u>Bylin, Carey@epa.gov</u>>

Subject: FW: Dominion Transmission Inc. - Partnership Agreement for Methane Challenge &

Other Information

Hi Carey – Our media relations folks would like to know if EPA was planning on doing a media release of the Methane Challenge announcement. Is there a media relations person at EPA that I can connect with our media person? Please advise.

Thank you.

-Anand

From: Anand Yegnan (Services - 6)
Sent: Monday, March 28, 2016 12:08 PM

To: 'Bylin, Carey'

Cc: 'Elina Bouloubasis'; Pryor, Justin; Pamela Faggert (Services - 6)

Subject: Dominion Transmission Inc. - Partnership Agreement for Methane Challenge & Other

Information

Hello Carey –

Attached please find Dominion Transmission Inc.'s partnership agreement for the Methane Challenge Program.

Also enclosed is the bio for Dominion.

Dominion will be represented by:

Jeff Murphy

Title: Vice President and General Manager – Dominion East Ohio

Contact Information: jeff.murphy@dom.com

Office: (216) 736-6376

Contact information for person coordinating the company's participation in Methane Challenge (as we have two separate partnership agreements with different company representatives):

Anand Yegnan

Manager – Environmental Regulations.

Anand.yegnan@dom.com

(804) 273-3893

Dominion website Link: www.dom.com

Dominion Bio for introduction at the Launch event is below:

Dominion's distribution companies — Dominion East Ohio and Dominion Hope — operate more than 22,000 miles of natural gas pipeline and serve 1.3 million customers in Ohio and West Virginia. Dominion Transmission's system operates 7,800 miles of interstate pipeline in six states and one of the largest natural gas storage systems in the U.S.

Dominion's distribution companies will implement a continuous program to measure, track and report methane reductions obtained by annually replacing well over a hundred miles of cast iron and unprotected or ineffectively coated-steel pipelines on mains and service lines.

Dominion Transmission will proactively reduce significant methane emissions by enhancing its ongoing pipeline blow-down reduction efforts used during maintenance activities.

Participation in this program is consistent with Dominion's commitment to achieving sustainable environmental improvements while at the same time operating our businesses in a safe and reliable manner.

We recommend that Dominion be listed as the following on the Methane Challenge website:

Distribution Segment: Dominion Distribution – Dominion East Ohio & Dominion Hope

Transmission Segment: Dominion Transmission Inc.

Please let me know if you have any questions. Please confirm that you have received this information – as I know you are swamped with planning for the Methane Challenge event.

Thank you.

Regards,

Anand	Yegnan
ZIIIGIIG	1 0 2 11 (111

From: Bylin, Carey

Sent: Wednesday, March 23, 2016 4:44 PM

To: 'Anand Yegnan (Services - 6)' < <u>Anand Yegnan@dom.com</u>>

Cc: 'Elina Bouloubasis' < Elina Bouloubasis@erg.com >; Pryor, Justin < Pryor.Justin@epa.gov >

Subject: Methane Challenge

Hello Anand,

Good talking to you just now. I apologize that you did not receive our e-mail last week – attached below is the content for your reference.

As mentioned, please reply stating your intention to join as a founding partner and indicating anticipated timeframes for sending the signed Partnership Agreement(s) and remaining information, as per the message below.

We look forward to working with you on this!

On behalf of the U.S. Environmental Protection Agency (EPA), I am pleased to hear of your interest in joining the Natural Gas STAR Methane Challenge Program as a founding partner. We will be officially launching this new program at the Global Methane Forum (GMF) at 10:00am on March 30, 2016 in Washington, D.C.

The launch event will be hosted by Janet McCabe, EPA's Acting Assistant Administrator for Air

and Radiation. If you confirm your participation as a founding partner, we encourage you to attend this exciting event. We will recognize your company even if you are not able to participate in person. Please be aware of the following next steps:

- By March 23, please contact us (see contact information below) to confirm that you will be joining as a founding partner, and provide your signed Partnership Agreement.
- o Provide us a short bio (approximately 75 words) describing your company, your commitments, and highlighting reasons for becoming a Methane Challenge partner.
- o If your company plans to attend the Launch Event, provide the name, title, and contact information of the person who will be representing your company at the event and, if different, the contact information for the individual coordinating your company's participation at the event.
- Also, by March 23, please provide a link to your company's website as well as the specific way your company should be listed on the Methane Challenge Program website.
- Be sure to register for the GMF as soon as possible (http://globalmethane.org/forum/).

Please send the above information to myself and Elina Bouloubasis (<u>elina.bouloubasis@erg.com</u>). Once we receive confirmation of your participation, we will provide more specific details about the launch event agenda, which will include recognition of each partner and individual and group photos. Please note that due to time constraints, we do not anticipate that partner companies will be able to give individual remarks at the event.

As a new Methane Challenge Program partner, there are a few next steps to be aware of. Within six months after joining the Program, each partner must develop an Implementation Plan to provide details on their planned participation, such as anticipated rate of progress, key milestones, and other relevant context. See the following Guidelines document for more information about how to develop an Implementation Plan:

http://www3.epa.gov/gasstar/documents/MC_IP_Guidelines_Final.pdf.

We will also be working with partners as we develop the Program's reporting system, and will be seeking input and feedback in the coming months. Finally, in an effort to further highlight our partners' accomplishments, we aim to work with partners to develop "Fact Sheets" that cover notable historical actions taken in advance of the Methane Challenge Program in efforts to mitigate methane emissions.

We encourage you to attend the full GMF event that will offer high-level plenary sessions on cross-cutting issues such as project financing, joint Global Methane Initiative (GMI)-Climate & Clean Air Coalition (CCAC) discussions on projects and policy, and ample opportunities for networking with methane experts in the public and private sectors from around the world. A draft agenda is available at http://globalmethane.org/forum/. We hope you are able to attend and participate in the sessions.

Please feel free to contact me or Justin Pryor (202-343-9258 or pryor.justin@epa.gov) with any questions you may have about the Methane Challenge Partnership. Please contact Elina Bouloubasis (703-373-0149 or elina.bouloubasis@erg.com) with any questions about the launch event. Thank you again for your support of the Methane Challenge Program and we hope to see you at the launch event in Washington, D.C.

Sincerely,
Ms. Carey Bylin
U.S. Environmental Protection Agency
202-343-9669
bylin.carey@epa.gov
Ms. Carey Bylin
International Programs Leader, Oil and Gas
Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



CONFIDENTIALITY NOTICE: This electronic message contains information which may be legally confidential and or privileged and does not in any case represent a firm ENERGY COMMODITY bid or offer relating thereto which binds the sender without an additional express written confirmation to that effect. The information is intended solely for the individual or entity named above and access by anyone else is unauthorized. If you are not the intended recipient, any disclosure, copying, distribution, or use of the contents of this information is prohibited and may be unlawful. If you have received this electronic transmission in error, please reply immediately to the sender that you have received the message in error, and delete it. Thank you.

CONFIDENTIALITY NOTICE: This electronic message contains information which may be legally confidential and or privileged and does not in any case represent a firm ENERGY COMMODITY bid or offer relating thereto which binds the sender without an additional express written confirmation to that effect. The information is intended solely for the individual or entity named above and access by anyone else is unauthorized. If you are not the intended recipient, any disclosure, copying, distribution, or use of the contents of this information is prohibited and may be unlawful. If you have received this electronic transmission in error, please reply immediately to the sender that you have received the message in error, and delete it. Thank you.

To: Frank Mack (Services - 6)[frank.mack@dom.com]

Cc: Bylin, Carey[Bylin.Carey@epa.gov]; Anand Yegnan (Services - 6)[Anand.Yegnan@dom.com]

From: DeLuca, Isabel

Sent: Wed 3/30/2016 3:08:15 PM

Subject: RE: Dominion Transmission Inc. - Partnership Agreement for Methane Challenge & Other

Information

Hi Frank,

Thanks for the call just now. Our press release has just gone out and can be found here:

https://yosemite.epa.gov/opa/admpress.nsf/bd4379a92ceceeac8525735900400c27/77e8a4b1fbd553c785257f850

best wishes,

Isabel DeLuca

Director of Communications

Climate Change Division, US EPA

(202) 343-9247

From: Frank Mack (Services - 6) [mailto:frank.mack@dom.com]

Sent: Monday, March 28, 2016 4:44 PM

To: DeLuca, Isabel < DeLuca. Isabel@epa.gov>

Cc: Bylin, Carey <Bylin.Carey@epa.gov>; Anand Yegnan (Services - 6)

<Anand.Yegnan@dom.com>

Subject: RE: Dominion Transmission Inc. - Partnership Agreement for Methane Challenge &

Other Information

No problem.
Did not want to assume, so thanks for clarifying.
From: DeLuca, Isabel [mailto:DeLuca.Isabel@epa.gov] Sent: Monday, March 28, 2016 4:42 PM To: Frank Mack (Services - 6) Cc: Bylin, Carey; Anand Yegnan (Services - 6) Subject: RE: Dominion Transmission Inc Partnership Agreement for Methane Challenge & Other Information
That's right- sorry not to be more specific. We are planning on issuing a press release at 11 am on Wednesday, March 30.
From: Frank Mack (Services - 6) [mailto:frank.mack@dom.com] Sent: Monday, March 28, 2016 4:41 PM To: DeLuca, Isabel < DeLuca.Isabel@epa.gov > Cc: Bylin, Carey < Bylin.Carey@epa.gov >; Anand Yegnan (Services - 6) < Anand.Yegnan@dom.com > Subject: RE: Dominion Transmission Inc Partnership Agreement for Methane Challenge & Other Information
Isabel,
Just to confirm, that's 11 a.m. on Wednesday, March 30?
Thanks
Frank

From: DeLuca, Isabel [mailto:DeLuca.Isabel@epa.gov]

Sent: Monday, March 28, 2016 4:38 PM

To: Frank Mack (Services - 6)

Cc: Bylin, Carey; Anand Yegnan (Services - 6)

Subject: RE: Dominion Transmission Inc. - Partnership Agreement for Methane Challenge & Other

Information

Hi,

Thanks for your note. Yes we are planning on issuing a news release at 11 am. Please let me know if you have any other questions.

Best,

Isabel DeLuca

Director of Communications

Climate Change Division, US EPA

(202) 343-9247

From: Frank Mack (Services - 6) [mailto:frank.mack@dom.com]

Sent: Monday, March 28, 2016 4:34 PM

To: DeLuca, Isabel < DeLuca. Isabel @epa.gov >

Cc: Bylin, Carey < Bylin. Carey@epa.gov >; Anand Yegnan (Services - 6)

<<u>Anand.Yegnan@dom.com</u>>

Subject: RE: Dominion Transmission Inc. - Partnership Agreement for Methane Challenge &

Other Information

Isabel,

news release announcing the Natural Gas STAR Methane Challenge Program?
If so, what is the timing?
Please advise
Thanks
Frank Mack, APR
Manager-Dominion Transmission Communications
Dominion Energy
804.771.3141 (tie 736) (work)
804.385.8755 (cell)
www.dom.com
From: Anand Yegnan (Services - 6) Sent: Monday, March 28, 2016 3:52 PM To: Frank Mack (Services - 6) Subject: FW: Dominion Transmission Inc Partnership Agreement for Methane Challenge & Other Information
Frank – Would you be able to reach out to EPA's communication person and get more

information?

Please see contact information for the EPA person.

I spoke with Anand who said I should follow up with you to see if the EAP is planning to issue a

From: Bylin, Carey [mailto:Bylin.Carey@epa.gov] Sent: Monday, March 28, 2016 3:49 PM To: Anand Yegnan (Services - 6) Cc: DeLuca, Isabel Subject: RE: Dominion Transmission Inc. - Partnership Agreement for Methane Challenge & Other Information Hi Anand, Our communications contact is Isabel Deluca, who is cc'd on this e-mail. Ms. Carey Bylin International Programs Leader, Oil and Gas Natural Gas STAR Program Global Methane Initiative U.S. Environmental Protection Agency Phone: +1-202-343-9669 Visiting Address & Private Deliveries (courier, FedEx etc.) 1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

-Anand

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Anand Yegnan (Services - 6) [mailto:Anand.Yegnan@dom.com]

Sent: Monday, March 28, 2016 3:45 PM **To:** Bylin, Carey < <u>Bylin.Carey@epa.gov</u>>

Subject: FW: Dominion Transmission Inc. - Partnership Agreement for Methane Challenge &

Other Information

Hi Carey – Our media relations folks would like to know if EPA was planning on doing a media release of the Methane Challenge announcement. Is there a media relations person at EPA that I can connect with our media person? Please advise.

Thank you.

-Anand

From: Anand Yegnan (Services - 6)
Sent: Monday, March 28, 2016 12:08 PM

To: 'Bylin, Carey'

Cc: 'Elina Bouloubasis'; Pryor, Justin; Pamela Faggert (Services - 6)

Subject: Dominion Transmission Inc. - Partnership Agreement for Methane Challenge & Other

Information

Hello Carey -

Attached please find Dominion Transmission Inc.'s partnership agreement for the Methane Challenge Program.

Also enclosed is the bio for Dominion.

Dominion will be represented by:

Jeff Murphy

Title: Vice President and General Manager - Dominion East Ohio

Contact Information: jeff.murphy@dom.com

Office: (216) 736-6376

Contact information for person coordinating the company's participation in Methane Challenge (as we have two separate partnership agreements with different company representatives):

Anand Yegnan

Manager – Environmental Regulations.

Anand.yegnan@dom.com

(804) 273-3893

Dominion website Link: www.dom.com

Dominion Bio for introduction at the Launch event is below:

Dominion's distribution companies — Dominion East Ohio and Dominion Hope — operate more than 22,000 miles of natural gas pipeline and serve 1.3 million customers in Ohio and West Virginia. Dominion Transmission's system operates 7,800 miles of interstate pipeline in six states and one of the largest natural gas storage systems in the U.S.

Dominion's distribution companies will implement a continuous program to measure, track and report methane reductions obtained by annually replacing well over a hundred miles of cast iron and unprotected or ineffectively coated-steel pipelines on mains and service lines.

Dominion Transmission will proactively reduce significant methane emissions by enhancing its ongoing pipeline blow-down reduction efforts used during maintenance activities.

Participation in this program is consistent with Dominion's commitment to achieving sustainable environmental improvements while at the same time operating our businesses in a safe and reliable manner.

We recommend that Dominion be listed as the following on the Methane Challenge website:

Distribution Segment: Dominion Distribution – Dominion East Ohio & Dominion Hope

Transmission Segment: Dominion Transmission Inc.

Please let me know if you have any questions. Please confirm that you have received this information – as I know you are swamped with planning for the Methane Challenge event.

Thank you.

Regards,

Anand Yegnan

From: Bylin, Carey

Sent: Wednesday, March 23, 2016 4:44 PM

To: 'Anand Yegnan (Services - 6)' < <u>Anand Yegnan@dom.com</u>>

Cc: 'Elina Bouloubasis' < Elina Bouloubasis@erg.com >; Pryor, Justin < Pryor.Justin@epa.gov >

Subject: Methane Challenge

A RECEIVED A TREATMENT.	Hell	o A	nan	d.
-------------------------	------	-----	-----	----

Good talking to you just now. I apologize that you did not receive our e-mail last week – attached below is the content for your reference.

As mentioned, please reply stating your intention to join as a founding partner and indicating anticipated timeframes for sending the signed Partnership Agreement(s) and remaining information, as per the message below.

We look forward to working with you on this!

On behalf of the U.S. Environmental Protection Agency (EPA), I am pleased to hear of your interest in joining the Natural Gas STAR Methane Challenge Program as a founding partner. We will be officially launching this new program at the Global Methane Forum (GMF) at 10:00am on March 30, 2016 in Washington, D.C.

The launch event will be hosted by Janet McCabe, EPA's Acting Assistant Administrator for Air and Radiation. If you confirm your participation as a founding partner, we encourage you to attend this exciting event. We will recognize your company even if you are not able to participate in person. Please be aware of the following next steps:

- By March 23, please contact us (see contact information below) to confirm that you will be joining as a founding partner, and provide your signed Partnership Agreement.
- o Provide us a short bio (approximately 75 words) describing your company, your commitments, and highlighting reasons for becoming a Methane Challenge partner.
- o If your company plans to attend the Launch Event, provide the name, title, and contact information of the person who will be representing your company at the event and, if different, the contact information for the individual coordinating your company's participation at the event.

- Also, by March 23, please provide a link to your company's website as well as the specific way your company should be listed on the Methane Challenge Program website.
- Be sure to register for the GMF as soon as possible (http://globalmethane.org/forum/).

Please send the above information to myself and Elina Bouloubasis (<u>elina.bouloubasis@erg.com</u>). Once we receive confirmation of your participation, we will provide more specific details about the launch event agenda, which will include recognition of each partner and individual and group photos. Please note that due to time constraints, we do not anticipate that partner companies will be able to give individual remarks at the event.

As a new Methane Challenge Program partner, there are a few next steps to be aware of. Within six months after joining the Program, each partner must develop an Implementation Plan to provide details on their planned participation, such as anticipated rate of progress, key milestones, and other relevant context. See the following Guidelines document for more information about how to develop an Implementation Plan: http://www3.epa.gov/gasstar/documents/MC_IP_Guidelines_Final.pdf.

We will also be working with partners as we develop the Program's reporting system, and will be seeking input and feedback in the coming months. Finally, in an effort to further highlight our partners' accomplishments, we aim to work with partners to develop "Fact Sheets" that cover notable historical actions taken in advance of the Methane Challenge Program in efforts to mitigate methane emissions.

We encourage you to attend the full GMF event that will offer high-level plenary sessions on cross-cutting issues such as project financing, joint Global Methane Initiative (GMI)-Climate & Clean Air Coalition (CCAC) discussions on projects and policy, and ample opportunities for networking with methane experts in the public and private sectors from around the world. A draft agenda is available at http://globalmethane.org/forum/. We hope you are able to attend and participate in the sessions.

Please feel free to contact me or Justin Pryor (202-343-9258 or pryor.justin@epa.gov) with any questions you may have about the Methane Challenge Partnership. Please contact Elina Bouloubasis (703-373-0149 or elina.bouloubasis@erg.com) with any questions about the launch event. Thank you again for your support of the Methane Challenge Program and we hope to see you at the launch event in Washington, D.C.

Sincerely,
Ma Caray Pulia
Ms. Carey Bylin
U.S. Environmental Protection Agency
202-343-9669
bylin.carey@epa.gov
Ms. Carey Bylin
International Programs Leader, Oil and Gas
Natural Gas STAR Program
Global Methane Initiative
U.S. Environmental Protection Agency
Phone: +1-202-343-9669
Visiting Address & Private Deliveries (courier, FedEx etc.)
1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004
U.S. Mail Address:
Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460

To: Brian Jones[bjones@mjbradley.com]
Cc: Bylin, Carey[Bylin.Carey@epa.gov]

From: DeLuca, Isabel

Sent: Tue 3/29/2016 7:25:04 PM

Subject: RE: Methane Challenge- Downstream Initiative Draft Statement

Hi Brian,

Apologies for the delayed response. No comments on the press release—we really liked it! Thanks for sharing.

The latest I've heard here, is that we're planning on issuing our press release at 11 am. If I get any more updates, I'll let you know.

Best,

Isabel

Isabel DeLuca

Director of Communications

Climate Change Division, US EPA

(202) 343-9247

From: Brian Jones [mailto:bjones@mjbradley.com]

Sent: Tuesday, March 29, 2016 11:04 AM
To: DeLuca, Isabel < DeLuca.Isabel@epa.gov >
Cc: Bylin, Carey < Bylin.Carey@epa.gov >

Subject: Methane Challenge- Downstream Initiative Draft Statement

Hi Isabel,

Attached please find the current draft of the Downstream Initiative's statement. I plan on posting this to MJB&A's website and sharing with a few other contacts. I anticipate that individual Downstream Initiative members will also issue press releases.

Please let me know if you have any comments or suggestions.

Thanks,

Brian

Brian M. Jones

Senior Vice President

M.J. Bradley & Associates, LLC

47 Junction Square Drive

Concord, MA 01742

Main: 978-369-5533 | Direct: 978-405-1269

www.mjbradley.com



This transmission may contain information that is confidential or legally privileged and is intended solely for the addressee. If you are not the intended recipient, please do not use the information in this e-mail, including any attachment(s), in any way; delete this e-mail, and immediately contact the sender. Thank you for your cooperation.

To: Frank Mack (Services - 6)[frank.mack@dom.com]

Cc: Bylin, Carey[Bylin.Carey@epa.gov]; Anand Yegnan (Services - 6)[Anand.Yegnan@dom.com]

From: DeLuca, Isabel

Sent: Mon 3/28/2016 8:42:28 PM

Subject: RE: Dominion Transmission Inc. - Partnership Agreement for Methane Challenge & Other

Information

That's right- sorry not to be more specific. We are planning on issuing a press release at 11 am on Wednesday, March 30.

From: Frank Mack (Services - 6) [mailto:frank.mack@dom.com]

Sent: Monday, March 28, 2016 4:41 PM

To: DeLuca, Isabel < DeLuca.Isabel@epa.gov>

Cc: Bylin, Carey <Bylin.Carey@epa.gov>; Anand Yegnan (Services - 6)

<Anand.Yegnan@dom.com>

Subject: RE: Dominion Transmission Inc. - Partnership Agreement for Methane Challenge &

Other Information

Isabel,

Just to confirm, that's 11 a.m. on Wednesday, March 30?

Thanks

Frank

From: DeLuca, Isabel [mailto:DeLuca.Isabel@epa.gov]

Sent: Monday, March 28, 2016 4:38 PM

To: Frank Mack (Services - 6)

Cc: Bylin, Carey; Anand Yegnan (Services - 6)

Subject: RE: Dominion Transmission Inc. - Partnership Agreement for Methane Challenge & Other

Information

Hi,
Thanks for your note. Yes we are planning on issuing a news release at 11 am. Please let me know if you have any other questions.
Best,
Isabel DeLuca
Director of Communications
Climate Change Division, US EPA
(202) 343-9247
From: Frank Mack (Services - 6) [mailto:frank.mack@dom.com] Sent: Monday, March 28, 2016 4:34 PM To: DeLuca, Isabel < DeLuca.Isabel@epa.gov > Cc: Bylin, Carey < Bylin.Carey@epa.gov >; Anand Yegnan (Services - 6) < Anand.Yegnan@dom.com > Subject: RE: Dominion Transmission Inc Partnership Agreement for Methane Challenge & Other Information
Isabel,
I spoke with Anand who said I should follow up with you to see if the EAP is planning to issue a news release announcing the Natural Gas STAR Methane Challenge Program?
If so, what is the timing?

Please advise
Thanks
Frank Mack, APR
Manager-Dominion Transmission Communications
Dominion Energy
804.771.3141 (tie 736) (work)
804.385.8755 (cell)
www.dom.com
From: Anand Yegnan (Services - 6) Sent: Monday, March 28, 2016 3:52 PM To: Frank Mack (Services - 6) Subject: FW: Dominion Transmission Inc Partnership Agreement for Methane Challenge & Other Information
Frank – Would you be able to reach out to EPA's communication person and get more information?
Please see contact information for the EPA person.
-Anand
From: Bylin, Carey [mailto:Bylin.Carey@epa.gov] Sent: Monday, March 28, 2016 3:49 PM To: Anand Yegnan (Services - 6) Cc: DeLuca, Isabel

Subject: RE: Dominion Transmission Inc. - Partnership Agreement for Methane Challenge & Other Information Hi Anand, Our communications contact is Isabel Deluca, who is cc'd on this e-mail. Ms. Carey Bylin International Programs Leader, Oil and Gas Natural Gas STAR Program Global Methane Initiative U.S. Environmental Protection Agency Phone: +1-202-343-9669 Visiting Address & Private Deliveries (courier, FedEx etc.) 1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004 U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Anand Yegnan (Services - 6) [mailto:Anand.Yegnan@dom.com]

Sent: Monday, March 28, 2016 3:45 PM **To:** Bylin, Carey < <u>Bylin.Carey@epa.gov</u>>

Subject: FW: Dominion Transmission Inc. - Partnership Agreement for Methane Challenge &

Other Information

Hi Carey – Our media relations folks would like to know if EPA was planning on doing a media release of the Methane Challenge announcement. Is there a media relations person at EPA that I can connect with our media person? Please advise.

Thank you.

-Anand

From: Anand Yegnan (Services - 6)
Sent: Monday, March 28, 2016 12:08 PM

To: 'Bylin, Carey'

Cc: 'Elina Bouloubasis'; Pryor, Justin; Pamela Faggert (Services - 6)

Subject: Dominion Transmission Inc. - Partnership Agreement for Methane Challenge & Other

Information

Hello Carey –

Attached please find Dominion Transmission Inc.'s partnership agreement for the Methane Challenge Program.

Also enclosed is the bio for Dominion.

Dominion will be represented by:

Jeff Murphy

Title: Vice President and General Manager – Dominion East Ohio

Contact Information: jeff.murphy@dom.com

Office: (216) 736-6376

Contact information for person coordinating the company's participation in Methane Challenge (as we have two separate partnership agreements with different company representatives):

Anand Yegnan

Manager – Environmental Regulations.

Anand.yegnan@dom.com

(804) 273-3893

Dominion website Link: www.dom.com

Dominion Bio for introduction at the Launch event is below:

Dominion's distribution companies — Dominion East Ohio and Dominion Hope — operate more than 22,000 miles of natural gas pipeline and serve 1.3 million customers in Ohio and West Virginia. Dominion Transmission's system operates 7,800 miles of interstate pipeline in six states and one of the largest natural gas storage systems in the U.S.

Dominion's distribution companies will implement a continuous program to measure, track and report methane reductions obtained by annually replacing well over a hundred miles of cast iron and unprotected or ineffectively coated-steel pipelines on mains and service lines.

Dominion Transmission will proactively reduce significant methane emissions by enhancing its ongoing pipeline blow-down reduction efforts used during maintenance activities.

Participation in this program is consistent with Dominion's commitment to achieving sustainable environmental improvements while at the same time operating our businesses in a safe and reliable manner.

We recommend that Dominion be listed as the following on the Methane Challenge website: Distribution Segment: Dominion Distribution – Dominion East Ohio & Dominion Hope **Transmission Segment**: Dominion Transmission Inc. Please let me know if you have any questions. Please confirm that you have received this information – as I know you are swamped with planning for the Methane Challenge event. Thank you. Regards, Anand Yegnan From: Bylin, Carey Sent: Wednesday, March 23, 2016 4:44 PM **To:** 'Anand Yegnan (Services - 6)' < <u>Anand Yegnan@dom.com</u>> Cc: 'Elina Bouloubasis' < Elina.Bouloubasis@erg.com >; Pryor, Justin < Pryor.Justin@epa.gov > **Subject:** Methane Challenge Hello Anand, Good talking to you just now. I apologize that you did not receive our e-mail last week attached below is the content for your reference. As mentioned, please reply stating your intention to join as a founding partner and indicating

anticipated timeframes for sending the signed Partnership Agreement(s) and remaining information, as per the message below.

We look forward to working with you on this!

On behalf of the U.S. Environmental Protection Agency (EPA), I am pleased to hear of your interest in joining the Natural Gas STAR Methane Challenge Program as a founding partner. We will be officially launching this new program at the Global Methane Forum (GMF) at 10:00am on March 30, 2016 in Washington, D.C.

The launch event will be hosted by Janet McCabe, EPA's Acting Assistant Administrator for Air and Radiation. If you confirm your participation as a founding partner, we encourage you to attend this exciting event. We will recognize your company even if you are not able to participate in person. Please be aware of the following next steps:

- By March 23, please contact us (see contact information below) to confirm that you will be joining as a founding partner, and provide your signed Partnership Agreement.
- o Provide us a short bio (approximately 75 words) describing your company, your commitments, and highlighting reasons for becoming a Methane Challenge partner.
- O If your company plans to attend the Launch Event, provide the name, title, and contact information of the person who will be representing your company at the event and, if different, the contact information for the individual coordinating your company's participation at the event.
- Also, by March 23, please provide a link to your company's website as well as the specific way your company should be listed on the Methane Challenge Program website.
- Be sure to register for the GMF as soon as possible (http://globalmethane.org/forum/).

Please send the above information to myself and Elina Bouloubasis (<u>elina.bouloubasis@erg.com</u>). Once we receive confirmation of your participation, we will provide more specific details about the launch event agenda, which will include recognition of

each partner and individual and group photos. Please note that due to time constraints, we do not anticipate that partner companies will be able to give individual remarks at the event.

As a new Methane Challenge Program partner, there are a few next steps to be aware of. Within six months after joining the Program, each partner must develop an Implementation Plan to provide details on their planned participation, such as anticipated rate of progress, key milestones, and other relevant context. See the following Guidelines document for more information about how to develop an Implementation Plan:

http://www3.epa.gov/gasstar/documents/MC_IP_Guidelines_Final.pdf.

We will also be working with partners as we develop the Program's reporting system, and will be seeking input and feedback in the coming months. Finally, in an effort to further highlight our partners' accomplishments, we aim to work with partners to develop "Fact Sheets" that cover notable historical actions taken in advance of the Methane Challenge Program in efforts to mitigate methane emissions.

We encourage you to attend the full GMF event that will offer high-level plenary sessions on cross-cutting issues such as project financing, joint Global Methane Initiative (GMI)-Climate & Clean Air Coalition (CCAC) discussions on projects and policy, and ample opportunities for networking with methane experts in the public and private sectors from around the world. A draft agenda is available at http://globalmethane.org/forum/. We hope you are able to attend and participate in the sessions.

Please feel free to contact me or Justin Pryor (202-343-9258 or pryor.justin@epa.gov) with any questions you may have about the Methane Challenge Partnership. Please contact Elina Bouloubasis (703-373-0149 or elina.bouloubasis@erg.com) with any questions about the launch event. Thank you again for your support of the Methane Challenge Program and we hope to see you at the launch event in Washington, D.C.

Sincerely,

Ms. Carey Bylin

U.S. Environmental Protection Agency

202-343-9669

bylin.carey@epa.gov

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



CONFIDENTIALITY NOTICE: This electronic message contains information which may be

legally confidential and or privileged and does not in any case represent a firm ENERGY COMMODITY bid or offer relating thereto which binds the sender without an additional express written confirmation to that effect. The information is intended solely for the individual or entity named above and access by anyone else is unauthorized. If you are not the intended recipient, any disclosure, copying, distribution, or use of the contents of this information is prohibited and may be unlawful. If you have received this electronic transmission in error, please reply immediately to the sender that you have received the message in error, and delete it. Thank you.

CONFIDENTIALITY NOTICE: This electronic message contains information which may be legally confidential and or privileged and does not in any case represent a firm ENERGY COMMODITY bid or offer relating thereto which binds the sender without an additional express written confirmation to that effect. The information is intended solely for the individual or entity named above and access by anyone else is unauthorized. If you are not the intended recipient, any disclosure, copying, distribution, or use of the contents of this information is prohibited and may be unlawful. If you have received this electronic transmission in error, please reply immediately to the sender that you have received the message in error, and delete it. Thank you.

CONFIDENTIALITY NOTICE: This electronic message contains information which may be legally confidential and or privileged and does not in any case represent a firm ENERGY COMMODITY bid or offer relating thereto which binds the sender without an additional express written confirmation to that effect. The information is intended solely for the individual or entity named above and access by anyone else is unauthorized. If you are not the intended recipient, any disclosure, copying, distribution, or use of the contents of this information is prohibited and may be unlawful. If you have received this electronic transmission in error, please reply immediately to the sender that you have received the message in error, and delete it. Thank you.

To: Cc: From: Sent: Subject:	Hill, John[John.Hill@duke-energy.com] Bylin, Carey[Bylin.Carey@epa.gov] Elina Bouloubasis Mon 3/28/2016 7:12:00 PM RE: Methane Challenge Follow-Up
Thanks, J	ohn! This is perfect.
Elina Boı	uloubasis
ERG	
2300 Wil	son Blvd, Suite 350
Arlington	, VA 22201
P: 703.37	3.0149
E: elina.b	ouloubasis@erg.com
Sent: Mo To: Elina Cc: 'Bylin Subject:	ill, John [mailto:John.Hill@duke-energy.com] nday, March 28, 2016 2:58 PM Bouloubasis <elina.bouloubasis@erg.com> n, Carey' <bylin.carey@epa.gov> RE: Methane Challenge Follow-Up</bylin.carey@epa.gov></elina.bouloubasis@erg.com>
•	vas getting some last minute comments here is what I have. Let me know if this is are looking for and if it is similar to what others have provided.
Thanks!	
John	

Duke Energy Corporation is an energy company whose regulated utility operations serve approximately 24 million people across 6 states, including natural gas customers in Ohio and Kentucky. We are committing to the Excavation Damages, Mains and Services best management practices for natural gas distribution and becoming a Methane Challenge partner because reducing methane emissions is an important issue for our communities and customers we serve.

From: Elina Bouloubasis [mailto:Elina.Bouloubasis@erg.com]

Sent: Monday, March 28, 2016 2:54 PM

To: Hill, John Cc: 'Bylin, Carey'

Subject: RE: Methane Challenge Follow-Up

Hi John,

Are you still able to provide us with a brief bio today?

Thanks!

Elina Bouloubasis

ERG

2300 Wilson Blvd, Suite 350

Arlington, VA 22201

P: 703.373.0149

E: elina.bouloubasis@erg.com

From: Hill, John [mailto:John.Hill@duke-energy.com]

Sent: Friday, March 25, 2016 11:55 AM

To: Elina Bouloubasis < Elina. Bouloubasis@erg.com >

Cc: 'Bylin, Carey' < Bylin.Carey@epa.gov > Subject: RE: Methane Challenge Follow-Up
Can I provide a write-up on Monday after I have a chance to review it with our communications folks?
Thanks!
John
From: Elina Bouloubasis [mailto:Elina.Bouloubasis@erg.com] Sent: Friday, March 25, 2016 11:46 AM To: Hill, John Cc: 'Bylin, Carey'; 'Pryor, Justin'; Haysbert, John A; Stroben, Michael W; Denton, Diane V; Fleming, Sandy Subject: RE: Methane Challenge Follow-Up
Hi John,
Thank you for the information. Can you please also send your company bio (noted in my previous email)?
Thanks!
Elina Bouloubasis
ERG
2300 Wilson Blvd, Suite 350
Arlington, VA 22201

P: 703.373.0149

E: elina.bouloubasis@erg.com

From: Hill, John [mailto:John.Hill@duke-energy.com]

Sent: Friday, March 25, 2016 11:14 AM

To: Elina Bouloubasis < Elina. Bouloubasis@erg.com >

Cc: 'Bylin, Carey' < Bylin.Carey@epa.gov >; 'Pryor, Justin' < Pryor.Justin@epa.gov >; Haysbert, John A < John.Haysbert@duke-energy.com >; Stroben, Michael W < Michael.Stroben@duke-energy.com >; Denton, Diane V < Diane.Denton@duke-energy.com >; Fleming, Sandy

<<u>Sandy.Fleming@duke-energy.com</u>>

Subject: RE: Methane Challenge Follow-Up

I apologize for the delay in responding... I believe Heath Schuler and/or John Haysbert will be attending on behalf of Duke Energy. Here is their contact information:

Heath Shuler

SVP Fed Government Affairs

550 SOUTH TRYON, DEC47D

DUKE ENERGY CENTER

Heath.Shuler@duke-energy.com

John Haysbert

Fed Government Affairs Director

325 7TH ST NW SUITE 300

WASHINGTON, DC 20004

John.Haysbert@duke-energy.com

,	The company website for Duke Energy is www.duke-energy.com
,	Thanks!
,	John A. Hill, Jr, PE
i	Director of Engineering
i	Duke Energy - Gas Operations
,	513-287-5345
J	iohn.hill@duke-energy.com
	From: Elina Bouloubasis [<u>mailto:Elina.Bouloubasis@erg.com]</u> Sent: Wednesday, March 23, 2016 12:52 PM To: Stroben, Michael W; Hill, John Cc: Bylin, Carey; Pryor, Justin
	Subject: Methane Challenge Follow-Up
	*** Exercise caution. This is an EXTERNAL email. DO NOT open attachments or click links from unknown senders or unexpected email. ***
	Mr. Stroben and Mr. Hill,
(Congratulations! On behalf of the U.S. Environmental Protection Agency (EPA), I am pleased to

welcome you to the Natural Gas STAR Methane Challenge Program. The Partnership Agreement between your company and the U.S. EPA signifies your intent to undertake and document ambitious voluntary methane emission reductions. We will be countersigning the Partnership Agreement and providing you with a final version shortly.

In addition, thank you for sending the requested information to us. If you're able to attend the <u>launch</u> event next week, we still need the following items from you:

- Launch participant's name, title, and contact information
- Short bio (approximately 75 words) describing your company, commitments, and highlighting reasons for becoming a Methane Challenge Partner
- Company website and company name that should be listed on our website

Please be sure to provide these items to me (<u>Elina.bouloubasis@erg.com</u>) by *COB Wednesday, March 23*, if possible.

Below is the Launch Event Agenda for an understanding of how the event will be structured.

Methane Challenge Program Launch Event

When: Wednesday, March 30, 2016, 10:00-10:45AM

Global Methane Forum Plenary Session, immediately following Policy Roundtable: Different Approaches to Methane Policies 08:30-10:00AM)

*Reserved seating at the front of the room for Methane Challenge Founding Partners.

Where: Georgetown University Hotel and Conference Center

Washington, DC

Agenda:

10:00 AM -10:05 AM Welcome remarks

Janet McCabe, Acting Assistant Administrator for Air and Radiation, US EPA

10:05 AM -10:15 AM Brief Remarks from Supportive Industry Associations

American Gas Association (AGA)

Downstream Initiative

10:15 AM - 10:35 AM Introduce Program Partners

Introduce each partner in alphabetical order.

Read brief partner statements (30 seconds pre partner) that summarizes the company's business and their planned commitment as a Methane Challenge partner. While the short company statement is being read, each partner representative walks on stage and shakes hands with Janet McCabe [pause for individual photo]

10:35 AM – 10:40 AM Closing remarks

10:40 AM - 10:45 AM Group Photo

Group photo (all companies) with Janet McCabe on the stage

Additionally, from 12:30 - 1:30 pm, there will be an informal opportunity for you to discuss the Methane Challenge with EPA representatives—we hope you can attend! (The location will be announced at the Launch Event.)

If you haven't yet registered for the Global Methane Forum, please do so as soon as possible at http://globalmethane.org/forum/. On the day of the event, staff will be available at the registration desk to answer questions and provide assistance. Please feel free to contact Carey Bylin (202-343-9669 or bylin.carey@epa.gov) or Justin Pryor (202-343-9258 or pryor.justin@epa.gov) with any questions about the Methane Challenge Partnership and contact Elina Bouloubasis (703-373-0149 or elina.bouloubasis@erg.com) with any questions about the launch event. Thank you again for your support of the Methane Challenge Program and we look forward to working with you. Sincerely, Elina Bouloubasis ERG - Contractor Support to the EPA's Methane Challenge Program

To: Cc: From: Sent: Subject:	Hill, John.Hill@duke-energy.com] Bylin, Carey[Bylin.Carey@epa.gov] Elina Bouloubasis Mon 3/28/2016 6:54:28 PM RE: Methane Challenge Follow-Up			
Hi John,				
Are you s	till able to provide us with a brief bio today?			
Thanks!				
Elina Bouloubasis				
ERG				
2300 Wilson Blvd, Suite 350				
Arlington, VA 22201				
P: 703.373.0149				
E: elina.bouloubasis@erg.com				
Sent: Fric To: Elina Cc: 'Bylin	ill, John [mailto:John.Hill@duke-energy.com] day, March 25, 2016 11:55 AM Bouloubasis < Elina.Bouloubasis@erg.com> n, Carey' < Bylin.Carey@epa.gov> RE: Methane Challenge Follow-Up			
Can I profolks?	vide a write-up on Monday after I have a chance to review it with our communications			
Thanks!				
John				

From: Elina Bouloubasis [mailto:Elina.Bouloubasis@erg.com]

Sent: Friday, March 25, 2016 11:46 AM

To: Hill, John

Cc: 'Bylin, Carey'; 'Pryor, Justin'; Haysbert, John A; Stroben, Michael W; Denton, Diane V; Fleming,

Sandy

Subject: RE: Methane Challenge Follow-Up

Hi John,

Thank you for the information. Can you please also send your company bio (noted in my previous email)?

Thanks!

Elina Bouloubasis

ERG

2300 Wilson Blvd, Suite 350

Arlington, VA 22201

P: 703.373.0149

E: elina.bouloubasis@erg.com

From: Hill, John [mailto:John.Hill@duke-energy.com]

Sent: Friday, March 25, 2016 11:14 AM

To: Elina Bouloubasis < Elina. Bouloubasis@erg.com >

Cc: 'Bylin, Carey' < Bylin.Carey@epa.gov'>; 'Pryor, Justin' < Pryor.Justin@epa.gov'>; Haysbert, John A < John.Haysbert@duke-energy.com'>; Stroben, Michael W < Michael.Stroben@duke-energy.com'>; Denton, Diane V < Diane.Denton@duke-energy.com'>; Fleming, Sandy

<<u>Sandy.Fleming@duke-energy.com</u>>

Subject: RE: Methane Challenge Follow-Up

I apologize for the delay in responding... I believe Heath Schuler and/or John Haysbert will be attending on behalf of Duke Energy. Here is their contact information: Heath Shuler SVP Fed Government Affairs 550 SOUTH TRYON, DEC47D **DUKE ENERGY CENTER** Heath.Shuler@duke-energy.com John Haysbert Fed Government Affairs Director 325 7TH ST NW SUITE 300 WASHINGTON, DC 20004 John.Haysbert@duke-energy.com The company website for Duke Energy is www.duke-energy.com Thanks! John A. Hill, Jr, PE Director of Engineering Duke Energy - Gas Operations

513-287-5345

john.hill@duke-energy.com

From: Elina Bouloubasis [mailto:Elina.Bouloubasis@erg.com]

Sent: Wednesday, March 23, 2016 12:52 PM

To: Stroben, Michael W; Hill, John **Cc:** Bylin, Carey; Pryor, Justin

Subject: Methane Challenge Follow-Up

*** Exercise caution. This is an EXTERNAL email. DO NOT open attachments or click links from unknown senders or unexpected email. ***

Mr. Stroben and Mr. Hill,

Congratulations! On behalf of the U.S. Environmental Protection Agency (EPA), I am pleased to welcome you to the Natural Gas STAR Methane Challenge Program. The Partnership Agreement between your company and the U.S. EPA signifies your intent to undertake and document ambitious voluntary methane emission reductions. We will be countersigning the Partnership Agreement and providing you with a final version shortly.

In addition, thank you for sending the requested information to us. If you're able to attend the launch event next week, we still need the following items from you:

- Launch participant's name, title, and contact information
- Short bio (approximately 75 words) describing your company, commitments, and

highlighting reasons for becoming a Methane Challenge Partner

• Company website and company name that should be listed on our website

Please be sure to provide these items to me (Elina.bouloubasis@erg.com) by COB Wednesday, March 23, if possible.

Below is the Launch Event Agenda for an understanding of how the event will be structured.

Methane Challenge Program Launch Event

When: Wednesday, March 30, 2016, 10:00-10:45AM

Global Methane Forum Plenary Session, immediately following Policy Roundtable: Different Approaches to Methane Policies 08:30-10:00AM)

*Reserved seating at the front of the room for Methane Challenge Founding Partners.

Where: Georgetown University Hotel and Conference Center

Washington, DC

Agenda:

10:00 AM -10:05 AM Welcome remarks

Janet McCabe, Acting Assistant Administrator for Air and Radiation, US EPA

10:05 AM -10:15 AM Brief Remarks from Supportive Industry Associations

American Gas Association (AGA)

Downstream Initiative

10:15 AM - 10:35 AM Introduce Program Partners

Introduce each partner in alphabetical order.

Read brief partner statements (30 seconds pre partner) that summarizes the company's business and their planned commitment as a Methane Challenge partner. While the short company statement is being read, each partner representative walks on stage and shakes hands with Janet McCabe [pause for individual photo]

10:35 AM – 10:40 AM Closing remarks

10:40 AM - 10:45 AM Group Photo

Group photo (all companies) with Janet McCabe on the stage

Additionally, from 12:30 - 1:30 pm, there will be an informal opportunity for you to discuss the Methane Challenge with EPA representatives—we hope you can attend! (The location will be announced at the Launch Event.)

If you haven't yet registered for the Global Methane Forum, please do so as soon as possible at http://globalmethane.org/forum/. On the day of the event, staff will be available at the registration desk to answer questions and provide assistance.

Please feel free to contact Carey Bylin (202-343-9669 or bylin.carey@epa.gov) or Justin Pryor (202-343-9258 or pryor.justin@epa.gov) with any questions about the Methane Challenge Partnership and contact Elina Bouloubasis (703-373-0149 or elina.bouloubasis@erg.com) with any questions about the launch event.

Thank you again for your support of the Methane Challenge Program and we look forward to working with you.
Sincerely,
Elina Bouloubasis
ERG - Contractor Support to the
EPA's Methane Challenge Program

To: Richard Hyde[rhyde@aglresources.com]

Cc: Pryor, Justin[Pryor.Justin@epa.gov]; Pamela Franklin[Franklin.Pamela@epa.gov]

From: Bylin, Carey

Sent: Mon 4/25/2016 4:46:22 PM Subject: RE: Revised STI Document

Hi Richard,

Per our discussion today, we will plan to talk about the following at this afternoon's meeting. We welcome any additional ideas you may have.

- Status of your proposed EPA-ONE Future MOU revisions
- Review of ONE Future question on voluntary reductions
- E2 sources and ONE Future proposed STI revisions
- Discussion of R-terms and measurement protocols
- Check-in on status relative to timeline

Ms. Carey Bylin International Programs Leader, Oil and Gas Natural Gas STAR Program Global Methane Initiative U.S. Environmental Protection Agency Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)
1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460

----Original Message-----

From: Richard Hyde [mailto:rhyde@aglresources.com]

Sent: Thursday, April 21, 2016 8:29 AM To: Bylin, Carey < Bylin. Carey@epa.gov> Subject: RE: Revised STI Document

That works perfectly, can I call you? What is best number?

----Original Message----

From: Bylin, Carey [mailto:Bylin.Carey@epa.gov]

Sent: Thursday, April 21, 2016 7:27 AM

To: Richard Hyde

Subject: Re: Revised STI Document

Yes, that works, and thank you for taking the first draft of the agenda. Does 930a Eastern work for you?

Carey Bylin

> On Apr 21, 2016, at 2:07 PM, Richard Hyde <rhyde@aglresources.com> wrote:

> Yes, how about Monday morning. I can send you an agenda and then we can chat about it.

> ----Original Message-----

```
> From: Bylin, Carey [mailto:Bylin, Carey@epa.gov]
> Sent: Thursday, April 21, 2016 4:09 AM
> To: Richard Hyde
> Subject: Re: Revised STI Document
> Hello Richard,
> Thank you for this. We will review.
> I'm in Geneva this week, but can we plan to touch base Friday afternoon or Monday morning to agree
to an agenda for the next meeting?
> Carey Bylin
>> On Apr 19, 2016, at 11:20 PM, Richard Hyde <rhyde@aglresources.com> wrote:
>>
>> Carey here is our revised STI
>>
>>
>> Sent with Good (www.good.com)
>>
>>
>> From: Shires, Terri
>> Sent: Tuesday, April 19, 2016 3:51:55 PM
>> To: Fiji George; Edwin.Mongan@bhpbilliton.com; Richard Hyde
>> Cc: Harrison, Matt
>> Subject: Revised STI Document
>>
>> Attached is the updated STI document to provide to EPA.
>>
>>
>> Terri Shires
>> Senior Engineer and Project Manager, Design and Construction
>> Services, Gulf Coast Region D +1-512-419-5466 M +1-512-497-6482
>> Terri.Shires@aecom.com<mailto:Terri.Shires@aecom.com>
>>
>> AECOM
>> 9400 Amberglen Blvd.
>> Austin, Texas 78729, USA
>> T +1-512-454-4797
>> aecom.com<https://urldefense.proofpoint.com/v2/url?u=http-3A www.aec
>> 0
>> m.com&d=CwMFAg&c=rOvAD26T1QcK75GyLb6a7GqUuR23p33SZf-jUeqbghE&r=056KpD
>> n
>> RSoS2URB522qkYGiG_Afk4IwVeeG7CoM3tzM&m=4OGcOYcCCQSUIuZxxfK1JVNkD8_c3-
>> j rNd3snJlDY5k&s=dxgc-sCCbGSCATiYoFhPFvUuiSQ520bTYKThJhOHTyl&e=>
>>
>> Built to deliver a better world
>> LinkedIn<https://urldefense.proofpoint.com/v2/url?u=http-3A__www.link
>> din.com_company_aecom-5F15656&d=CwMFAg&c=rOvAD26T1QcK75GyLb6a7GqUuR23
>> 33SZf-jUeqbghE&r=056KpDnRSoS2URB522qkYGiG_Afk4lwVeeG7CoM3tzM&m=4OGcOY
>> c
```

```
>> g
>> Cibo7lktk45c&e=>
>> Twitter<a href="https://urldefense.proofpoint.com/v2/url?u=http-3A">> Twitter<a href="https://urldefense.proofpoint.com/v2/url?u=http-3A">+ twitter.c</a>
>> m AECOM&d=CwMFAg&c=rOvAD26T1QcK75GyLb6a7GqUuR23p33SZf-jUeqbghE&r=056K
>> DnRSoS2URB522gkYGiG Afk4lwVeeG7CoM3tzM&m=4OGcOYcCCQSUluZxxfK1JVNkD8 c
>> 3 -jrNd3snJlDY5k&s=oWLMo4f42ZKEWmZ7USNb_AfD_KkAdH8hKmKeoCtV4L8&e=>
>> Facebook<https://urldefense.proofpoint.com/v2/url?u=http-3A__www.face
>> ook.com_AecomTechnologyCorporation&d=CwMFAg&c=rOvAD26T1QcK75GyLb6a7Gq
>> uR23p33SZf-jUeqbghE&r=056KpDnRSoS2URB522qkYGiG_Afk4lwVeeG7CoM3tzM&m=4
>> GcOYcCCQSUIuZxxfK1JVNkD8 c3-jrNd3snJIDY5k&s=5NCwwAUP5 E8qLx0G4uWHOKzN
>> 9
>> FvFkcV4AfZ4XGW7qk&e=>
>> Instagram<https://urldefense.proofpoint.com/v2/url?u=http-3A__instagr
>> m.com_aecom&d=CwMFAg&c=rOvAD26T1QcK75GyLb6a7GqUuR23p33SZf-jUeqbghE&r=
>> 56KpDnRSoS2URB522qkYGiG Afk4lwVeeG7CoM3tzM&m=4OGcOYcCCQSUIuZxxfK1JVNk
>> 8_c3-jrNd3snJIDY5k&s=KkkwfliLUUq-jZfuSMOSE7gzGySqcBJCtz4WqhqorBU&e=>
>> EXTERNAL EMAIL - Caution, this message was sent from an external source.
>> <MC-ONE-Future-STI-11-24-15 OF Markups 19Apr2016.docx>
> EXTERNAL EMAIL - Caution, this message was sent from an external source.
```

>> CCQSUIuZxxfK1JVNkD8 c3-irNd3snJIDY5k&s=CAD1sj9DoKhJ4WZnzS0LtgPVPuZkZ8

EXTERNAL EMAIL – Caution, this message was sent from an external source.

From: Bylin, Carey

Location: MeetingPlace: Ex. 6 - Personal Privacy | D: Ex. 6 - Personal Privacy

Importance: Normal

Subject: Accepted: EPA-ONE Future Calls: Finalization of programmatic details related to ONE Future

Methane Challenge Commitment Option

Start Date/Time: Mon 4/25/2016 6:30:00 PM **End Date/Time:** Mon 4/25/2016 7:30:00 PM From: Bylin, Carey

Location: MeetingPlace: Ex. 6 - Personal Privacy ID: Ex. 6 - Personal Privacy

Importance: Normal

Subject: Accepted: EPA-ONE Future Calls: Finalization of programmatic details related to ONE Future

Methane Challenge Commitment Option

Start Date/Time: Mon 4/11/2016 6:30:00 PM **End Date/Time:** Mon 4/11/2016 7:00:00 PM

```
Subject: Re: Revised STI Document
Okay, great. I'll be back in the office: 202-343-9669.
Carey Bylin
> On Apr 21, 2016, at 2:28 PM, Richard Hyde <rhyde@aglresources.com> wrote:
> That works perfectly, can I call you? What is best number?
> ----Original Message-----
> From: Bylin, Carey [mailto:Bylin.Carey@epa.gov]
> Sent: Thursday, April 21, 2016 7:27 AM
> To: Richard Hyde
> Subject: Re: Revised STI Document
> Yes, that works, and thank you for taking the first draft of the agenda. Does 930a Eastern work for you?
> Carey Bylin
>> On Apr 21, 2016, at 2:07 PM, Richard Hyde <rhyde@aglresources.com> wrote:
>> Yes, how about Monday morning. I can send you an agenda and then we can chat about it.
>>
>> ----Original Message-----
>> From: Bylin, Carey [mailto:Bylin.Carey@epa.gov]
>> Sent: Thursday, April 21, 2016 4:09 AM
>> To: Richard Hyde
>> Subject: Re: Revised STI Document
>>
>> Hello Richard,
>>
>> Thank you for this. We will review.
>> I'm in Geneva this week, but can we plan to touch base Friday afternoon or Monday morning to agree
to an agenda for the next meeting?
>>
>> Carey Bylin
>>
>>> On Apr 19, 2016, at 11:20 PM, Richard Hyde <rhyde@aglresources.com> wrote:
>>>
>>> Carey here is our revised STI
>>>
>>>
>>>
>>> Sent with Good (www.good.com)
>>>
>>>
>>> From: Shires, Terri
>>> Sent: Tuesday, April 19, 2016 3:51:55 PM
>>> To: Fiji George; Edwin.Mongan@bhpbilliton.com; Richard Hyde
>>> Cc: Harrison, Matt
>>> Subject: Revised STI Document
```

To:

From:

Sent:

Bylin, Carey

Richard Hyde[rhyde@aglresources.com]

Thur 4/21/2016 1:06:28 PM

```
>>>
>>> Attached is the updated STI document to provide to EPA.
>>>
>>> Terri Shires
>>> Senior Engineer and Project Manager, Design and Construction
>>> Services, Gulf Coast Region D +1-512-419-5466 M +1-512-497-6482
>>> Terri.Shires@aecom.com<mailto:Terri.Shires@aecom.com>
>>>
>>> AECOM
>>> 9400 Amberglen Blvd.
>>> Austin, Texas 78729, USA
>>> T +1-512-454-4797
>>> aecom.com<https://urldefense.proofpoint.com/v2/url?u=http-3A www.aec
>>> m.com&d=CwMFAg&c=rOvAD26T1QcK75GyLb6a7GgUuR23p33SZf-jUegbghE&r=056KpD
>>> n
>>> RSoS2URB522qkYGiG Afk4lwVeeG7CoM3tzM&m=4OGcOYcCCQSUluZxxfK1JVNkD8 c3-
>>> j rNd3snJlDY5k&s=dxgc-sCCbGSCATiYoFhPFvUuiSQ520bTYKThJhOHTyI&e=>
>>>
>>> Built to deliver a better world
>>>
>>> LinkedIn<https://urldefense.proofpoint.com/v2/url?u=http-3A www.link
>>> din.com_company_aecom-5F15656&d=CwMFAg&c=rOvAD26T1QcK75GyLb6a7GqUuR23
>>> p
>>> 33SZf-jUeqbghE&r=056KpDnRSoS2URB522qkYGiG_Afk4IwVeeG7CoM3tzM&m=4OGcOY
>>> CCQSUIuZxxfK1JVNkD8_c3-jrNd3snJlDY5k&s=CAD1sj9DoKhJ4WZnzS0LtgPVPuZkZ8
>>> g
>>> Cibo7lktk45c&e=>
>>> Twitter<a href="https://urldefense.proofpoint.com/v2/url?u=http-3A">>>> Twitter<a href="https://urldefense.proofpoint.com/v2/url?u=http-3A">+ twitter.c</a>
>>> o
>>> m_AECOM&d=CwMFAg&c=rOvAD26T1QcK75GyLb6a7GqUuR23p33SZf-jUeqbghE&r=056K
>>> DnRSoS2URB522qkYGiG_Afk4IwVeeG7CoM3tzM&m=4OGcOYcCCQSUIuZxxfK1JVNkD8_c
>>> 3 -jrNd3snJIDY5k&s=oWLMo4f42ZKEWmZ7USNb AfD KkAdH8hKmKeoCtV4L8&e=>
>>> Facebook<https://urldefense.proofpoint.com/v2/url?u=http-3A www.face
>>> ook.com_AecomTechnologyCorporation&d=CwMFAg&c=rOvAD26T1QcK75GyLb6a7Gq
>>> U
>>> uR23p33SZf-jUeqbghE&r=056KpDnRSoS2URB522qkYGiG_Afk4IwVeeG7CoM3tzM&m=4
>>> GcOYcCCQSUIuZxxfK1JVNkD8 c3-jrNd3snJIDY5k&s=5NCwwAUP5 E8qLx0G4uWHOKzN
>>> 9
>>> FvFkcV4AfZ4XGW7gk&e=>
>>> Instagram<https://urldefense.proofpoint.com/v2/url?u=http-3A__instagr
>>> a
>>> m.com_aecom&d=CwMFAg&c=rOvAD26T1QcK75GyLb6a7GgUuR23p33SZf-jUegbghE&r=
>>> 56KpDnRSoS2URB522qkYGiG_Afk4IwVeeG7CoM3tzM&m=4OGcOYcCCQSUluZxxfK1JVNk
>>> 8_c3-jrNd3snJlDY5k&s=KkkwfliLUUq-jZfuSMOSE7gzGySqcBJCtz4WqhqorBU&e=>
>>>
>>> EXTERNAL EMAIL - Caution, this message was sent from an external source.
>>> <MC-ONE-Future-STI-11-24-15_OF Markups_19Apr2016.docx>
```

```
>> EXTERNAL EMAIL - Caution, this message was sent from an external source.
>> 
> EXTERNAL EMAIL - Caution, this message was sent from an external source.
>
```

To: Richard Hyde[rhyde@aglresources.com]

From: Bylin, Carey

Sent: Thur 4/21/2016 12:27:10 PM Subject: Re: Revised STI Document

Yes, that works, and thank you for taking the first draft of the agenda. Does 930a Eastern work for you?

```
Carey Bylin
```

```
> On Apr 21, 2016, at 2:07 PM, Richard Hyde <rhyde@aglresources.com> wrote:
> Yes, how about Monday morning. I can send you an agenda and then we can chat about it.
> ----Original Message-----
> From: Bylin, Carey [mailto:Bylin.Carey@epa.gov]
> Sent: Thursday, April 21, 2016 4:09 AM
> To: Richard Hyde
> Subject: Re: Revised STI Document
> Hello Richard,
> Thank you for this. We will review.
> I'm in Geneva this week, but can we plan to touch base Friday afternoon or Monday morning to agree
to an agenda for the next meeting?
> Carey Bylin
>> On Apr 19, 2016, at 11:20 PM, Richard Hyde <rhyde@aglresources.com> wrote:
>>
>> Carey here is our revised STI
>>
>>
>>
>> Sent with Good (www.good.com)
>>
>>
>> From: Shires, Terri
>> Sent: Tuesday, April 19, 2016 3:51:55 PM
>> To: Fiji George; Edwin.Mongan@bhpbilliton.com; Richard Hyde
>> Cc: Harrison, Matt
>> Subject: Revised STI Document
>>
>> Attached is the updated STI document to provide to EPA.
>>
>>
>> Terri Shires
>> Senior Engineer and Project Manager, Design and Construction Services,
>> Gulf Coast Region D +1-512-419-5466 M +1-512-497-6482
>> Terri.Shires@aecom.com<mailto:Terri.Shires@aecom.com>
>>
>> AECOM
>> 9400 Amberglen Blvd.
>> Austin, Texas 78729, USA
>> T +1-512-454-4797
>> aecom.com<https://urldefense.proofpoint.com/v2/url?u=http-3A__www.aeco
```

```
>> RSoS2URB522qkYGiG_Afk4lwVeeG7CoM3tzM&m=4OGcOYcCCQSUluZxxfK1JVNkD8_c3-j
>> rNd3snJlDY5k&s=dxgc-sCCbGSCATiYoFhPFvUuiSQ520bTYKThJhOHTyl&e=>
>>
>> Built to deliver a better world
>>
>> LinkedIn<https://urldefense.proofpoint.com/v2/url?u=http-3A__www.linke
>> din.com_company_aecom-5F15656&d=CwMFAg&c=rOvAD26T1QcK75GyLb6a7GqUuR23p
>> 33SZf-jUeqbghE&r=056KpDnRSoS2URB522qkYGiG_Afk4IwVeeG7CoM3tzM&m=4OGcOYc
>> CCQSUIuZxxfK1JVNkD8_c3-jrNd3snJIDY5k&s=CAD1sj9DoKhJ4WZnzS0LtgPVPuZkZ8g
>> Cibo7lktk45c&e=>
>> Twitter<a href="https://urldefense.proofpoint.com/v2/url?u=http-3A">> Twitter<a href="https://urldefense.proofpoint.com/v2/url?u=http-3A">> twitter.co</a>
>> m_AECOM&d=CwMFAg&c=rOvAD26T1QcK75GyLb6a7GqUuR23p33SZf-jUeqbghE&r=056Kp
>> DnRSoS2URB522qkYGiG Afk4lwVeeG7CoM3tzM&m=4OGcOYcCCQSUluZxxfK1JVNkD8 c3
>> -jrNd3snJIDY5k&s=oWLMo4f42ZKEWmZ7USNb_AfD_KkAdH8hKmKeoCtV4L8&e=>
>> Facebook<a href="https://urldefense.proofpoint.com/v2/url?u=http-3A">>> Facebook<a href="https://urldefense.proofpoint.com/v2/url?u=http-3A">+ www.faceb
>> ook.com AecomTechnologyCorporation&d=CwMFAg&c=rOvAD26T1QcK75GyLb6a7GqU
>> uR23p33SZf-jUeqbghE&r=056KpDnRSoS2URB522qkYGiG Afk4lwVeeG7CoM3tzM&m=4O
>> GcOYcCCQSUIuZxxfK1JVNkD8_c3-jrNd3snJIDY5k&s=5NCwwAUP5_E8qLx0G4uWHOKzN9
>> FvFkcV4AfZ4XGW7qk&e=>
>> Instagram<https://urldefense.proofpoint.com/v2/url?u=http-3A instagra
>> m.com_aecom&d=CwMFAq&c=rOvAD26T1QcK75GyLb6a7GqUuR23p33SZf-jUegbqhE&r=0
>> 56KpDnRSoS2URB522qkYGiG Afk4lwVeeG7CoM3tzM&m=4OGcOYcCCQSUluZxxfK1JVNkD
>> 8_c3-jrNd3snJlDY5k&s=KkkwfliLUUq-jZfuSMOSE7gzGySqcBJCtz4WqhqorBU&e=>
>> EXTERNAL EMAIL - Caution, this message was sent from an external source.
>> <MC-ONE-Future-STI-11-24-15_OF Markups_19Apr2016.docx>
> EXTERNAL EMAIL - Caution, this message was sent from an external source.
```

>> m.com&d=CwMFAq&c=rOvAD26T1QcK75GyLb6a7GqUuR23p33SZf-jUeqbqhE&r=056KpDn

To: Richard Hyde[rhyde@aglresources.com] From: Bylin, Carey Sent: Thur 4/21/2016 9:08:35 AM Subject: Re: Revised STI Document Hello Richard. Thank you for this. We will review. I'm in Geneva this week, but can we plan to touch base Friday afternoon or Monday morning to agree to an agenda for the next meeting? Carey Bylin > On Apr 19, 2016, at 11:20 PM, Richard Hyde <rhyde@aglresources.com> wrote: > Carey here is our revised STI > > Sent with Good (www.good.com) > From: Shires, Terri > Sent: Tuesday, April 19, 2016 3:51:55 PM > To: Fiji George; Edwin.Mongan@bhpbilliton.com; Richard Hyde > Cc: Harrison, Matt > Subject: Revised STI Document > Attached is the updated STI document to provide to EPA. > Terri Shires > Senior Engineer and Project Manager, Design and Construction Services, Gulf Coast Region > D +1-512-419-5466 > M +1-512-497-6482 > Terri.Shires@aecom.com<mailto:Terri.Shires@aecom.com> > AECOM > 9400 Amberglen Blvd. > Austin, Texas 78729, USA > T +1-512-454-4797 > aecom.com<https://urldefense.proofpoint.com/v2/url?u=http-3A www.aecom.com&d=CwMFAg&c=rOvAD26T1QcK75GyLb6a7GqUuR23p33SZfjUeqbghE&r=056KpDnRSoS2URB522qkYGiG_Afk4IwVeeG7CoM3tzM&m=4OGcOYcCCQSUIuZxxfK1J VNkD8_c3-jrNd3snJlDY5k&s=dxgc-sCCbGSCATiYoFhPFvUuiSQ520bTYKThJhOHTyl&e=> > Built to deliver a better world > LinkedIn<https://urldefense.proofpoint.com/v2/url?u=http-3A www.linkedin.com company aecom-5F15656&d=CwMFAg&c=rOvAD26T1QcK75GyLb6a7GqUuR23p33SZf-

jUeqbghE&r=056KpDnRSoS2URB522qkYGiG_Afk4IwVeeG7CoM3tzM&m=4OGcOYcCCQSUIuZxxfK1JVNkD8_c3-jrNd3snJIDY5k&s=CAD1sj9DoKhJ4WZnzS0LtgPVPuZkZ8gCibo7lktk45c&e=>

jUeqbghE&r=056KpDnRSoS2URB522qkYGiG_Afk4IwVeeG7CoM3tzM&m=4OGcOYcCCQSUIuZxxfK1J

3A__twitter.com_AECOM&d=CwMFAg&c=rOvAD26T1QcK75GyLb6a7GqUuR23p33SZf-

Twitter<https://urldefense.proofpoint.com/v2/url?u=http-

VNkD8_c3-jrNd3snJIDY5k&s=oWLMo4f42ZKEWmZ7USNb_AfD_KkAdH8hKmKeoCtV4L8&e=> Facebookhttps://urldefense.proofpoint.com/v2/url?u=http-

3A__www.facebook.com_AecomTechnologyCorporation&d=CwMFAg&c=rOvAD26T1QcK75GyLb6a7GqUuR23p33SZf-

jUeqbghE&r=056KpDnRSoS2URB522qkYGiG_Afk4IwVeeG7CoM3tzM&m=4OGcOYcCCQSUIuZxxfK1J VNkD8_c3-jrNd3snJlDY5k&s=5NCwwAUP5_E8qLx0G4uWHOKzN9FvFkcV4AfZ4XGW7qk&e=> Instagram<https://urldefense.proofpoint.com/v2/url?u=http-

3A__instagram.com_aecom&d=CwMFAg&c=rOvAD26T1QcK75GyLb6a7GqUuR23p33SZf-jUeqbghE&r=056KpDnRSoS2URB522qkYGiG_Afk4IwVeeG7CoM3tzM&m=4OGcOYcCCQSUIuZxxfK1JVNkD8_c3-jrNd3snJIDY5k&s=KkkwfliLUUq-jZfuSMOSE7gzGySqcBJCtz4WqhqorBU&e=>

- > EXTERNAL EMAIL Caution, this message was sent from an external source.
- > <MC-ONE-Future-STI-11-24-15_OF Markups_19Apr2016.docx>

To: Fiji George[Fiji_George@SWN.COM]; Richard Hyde[rhyde@aglresources.com]
Cc: Pryor, Justin[Pryor.Justin@epa.gov]; Franklin, Pamela[Franklin.Pamela@epa.gov]

From: Bylin, Carey

Sent: Mon 4/18/2016 2:24:39 PM

Subject: RE: Today's EPA-ONE Future Meeting

Okay, sounds good. Thank you and look forward to talking this afternoon.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Fiji George [mailto:Fiji George@SWN.COM]

Sent: Monday, April 18, 2016 9:56 AM

To: Richard Hyde <rhyde@aglresources.com>; Bylin, Carey <Bylin.Carey@epa.gov> **Cc:** Pryor, Justin <Pryor.Justin@epa.gov>; Franklin, Pamela <Franklin.Pamela@epa.gov>

Subject: RE: Today's EPA-ONE Future Meeting

We should get you a slide deck by noon central?

We will also discuss our thoughts on the STI

Fiji George

Southwestern Energy

From: Richard Hyde [mailto:rhyde@aglresources.com]

Sent: Monday, April 18, 2016 8:55 AM

To: Bylin, Carey

Cc: Fiji George; Pryor, Justin; Franklin, Pamela Subject: RE: Today's EPA-ONE Future Meeting

Carey

Thanks and it was my pleasure to meet you as well and I also appreciate the productive engagement.

Yes we will send a slide deck this morning like to help facilitate the discussion. I apologize that we didn't get it there Friday. The agenda you laid out is consistent with ours. Look forward to chatting.

From: Bylin, Carey [mailto:Bylin.Carey@epa.gov]

Sent: Monday, April 18, 2016 8:51 AM

To: Richard Hyde

Cc: Fiji George; Pryor, Justin; Franklin, Pamela **Subject:** Today's EPA-ONE Future Meeting

Hello Richard.

I hope you had a nice weekend. It was great to meet you last week and we really appreciated the productive engagement to move our discussions forward.

When we left the meeting on Wednesday, my understanding was that ONE Future would provide by last Friday - a timeline for delivering the various materials/answers we discussed. Is that in process/coming soon? We thought that it would be a good use of our meeting today to go through the timeline. We could also use today's meeting to go through ONE proposed "optional methodologies" for LNG and Processing if you have the final list (one of the action items was for OF to confirm if the LNG and Processing documents we have are final or if some sources will come off the list as happened with T&C). We are also eager to receive the Supplementary Technical Information document that Terri Shires was marking up with our agreed changes.

Are there other items you were planning to discuss today? Please advise.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Richard Hyde [mailto:rhyde@aglresources.com]

Sent: Thursday, April 14, 2016 11:14 AM

To: Bylin, Carey < Bylin. Carey @epa.gov >
Cc: Fiji George < Fiji George @SWN.com >

Subject:

Carey this is the latest drafts. The EPA –ONE Future should have my address in it instead of BlueWater.

Thanks again for the time yesterday. I think we are on a good path.

Richard Hyde

Managing Director

External Affairs and Public Policy

832-397-8501 office

832-457-2279 mobile

rhyde@aglresources.com

To: Richard Hyde[rhyde@aglresources.com]

Cc: Fiji George[Fiji_George@SWN.com]; Pryor, Justin[Pryor.Justin@epa.gov]; Pamela

Franklin[Franklin.Pamela@epa.gov]

From: Bylin, Carey

Sent: Mon 4/18/2016 1:51:30 PM
Subject: Today's EPA-ONE Future Meeting

Hello Richard,

I hope you had a nice weekend. It was great to meet you last week and we really appreciated the productive engagement to move our discussions forward.

When we left the meeting on Wednesday, my understanding was that ONE Future would provide by last Friday - a timeline for delivering the various materials/answers we discussed. Is that in process/coming soon? We thought that it would be a good use of our meeting today to go through the timeline. We could also use today's meeting to go through ONE proposed "optional methodologies" for LNG and Processing if you have the final list (one of the action items was for OF to confirm if the LNG and Processing documents we have are final or if some sources will come off the list as happened with T&C). We are also eager to receive the Supplementary Technical Information document that Terri Shires was marking up with our agreed changes.

Are there other items you were planning to discuss today? Please advise.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Richard Hyde [mailto:rhyde@aglresources.com]

Sent: Thursday, April 14, 2016 11:14 AM
To: Bylin, Carey <Bylin.Carey@epa.gov>
Cc: Fiji George <Fiji George@SWN.com>

Subject:

Carey this is the latest drafts. The EPA –ONE Future should have my address in it instead of BlueWater.

Thanks again for the time yesterday. I think we are on a good path.

Richard Hyde

Managing Director

External Affairs and Public Policy

832-397-8501 office

832-457-2279 mobile

rhyde@aglresources.com







To: Richard Hyde[rhyde@aglresources.com]
Cc: Fiji George[Fiji_George@SWN.com]

From: Bylin, Carey

Sent: Thur 4/14/2016 9:15:20 PM

Subject: RE:

Great, thank you. Can you confirm that you had no comments on the Partnership Agreement?

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Richard Hyde [mailto:rhyde@aglresources.com]

Sent: Thursday, April 14, 2016 11:14 AM
To: Bylin, Carey <Bylin.Carey@epa.gov>
Cc: Fiji George <Fiji George@SWN.com>

Subject:

Carey this is the latest drafts. The EPA –ONE Future should have my address in it instead of BlueWater.

Thanks again for the time yesterday. I think we are on a good path.

Richard Hyde

Managing Director

External Affairs and Public Policy

832-397-8501 office

832-457-2279 mobile

rhyde@aglresources.com







From: Bylin, Carey

Location: MeetingPlace: Ex. 6 - Personal Privacy | ID: Ex. 6 - Personal Privacy

Importance: Normal

Subject: Accepted: EPA-ONE Future Calls: Finalization of programmatic details related to ONE Future

Methane Challenge Commitment Option

Start Date/Time: Mon 4/18/2016 6:30:00 PM **End Date/Time:** Mon 4/18/2016 7:30:00 PM To: Michael Grenz[Michael.Grenz@nblenergy.com]; Kate Fay[Kate.Fay@nblenergy.com]; Angela

Perry (Contractor)[Angela.Perry@nblenergy.com]

Cc: Pryor, Justin[Pryor.Justin@epa.gov]; Franklin, Pamela[Franklin.Pamela@epa.gov]

From: Bylin, Carey

Sent: Wed 4/13/2016 8:06:48 PM

Subject: RE: April 20 conference call with AXPC Environmental Committee

Hello Michael,

Thanks to you for engaging us on this. I now have a meeting 10-1030a eastern time but other than that I'm open. I think 30 minutes should be enough.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Michael Grenz [mailto:Michael.Grenz@nblenergy.com]

Sent: Wednesday, April 13, 2016 3:59 PM

To: Kate Fay <Kate.Fay@nblenergy.com>; Bylin, Carey <Bylin.Carey@epa.gov>; Angela

Perry (Contractor) < Angela. Perry @nblenergy.com>

Cc: Pryor, Justin < Pryor. Justin@epa.gov>; Franklin, Pamela < Franklin. Pamela@epa.gov>

Subject: RE: April 20 conference call with AXPC Environmental Committee

Thank you Carey, Justin and Pamela for taking the time to talk with AXPC on this item.

Angie, can you please send out an invite for the 5 of us to meet, via teleconference, preferably tomorrow morning. My availability before 1 eastern is between 9:30-11:30 eastern. Are there any preferences for scheduling this meeting based on people's availability? Also is 30 minutes enough time or do we need longer?

Thank you

Michael Grenz

Offshore EHSR Sr. Manager

Michael.Grenz@nblenergy.com

Please note that my email has recently changed.

1001 Noble Energy Way

Houston, TX 77070

Cell: 281-435-7091

Office: 281-872-2668

Fax: 281-569-2307

www.nobleenergyinc.com

From: Kate Fay

Sent: Wednesday, April 13, 2016 2:10 PM

To: Bylin, Carey

Cc: Pryor, Justin; Franklin, Pamela; Michael Grenz

Subject: Re: April 20 conference call with AXPC Environmental Committee

Oops. Never looped Mike in.

Sent from my iPhone

Kate Fay

Ex. 6 - Personal Privacy (cell)

On Apr 12, 2016, at 4:34 PM, Kate Fay < Kate. Fay@nblenergy.com > wrote:

Carey:

Great! Thanks. I am looping in Mike Grenz so he knows the time slot for his agenda. Also, Mike, could you schedule a time for us all to talk so we can help the EPA team prepare for this meeting? Thursday works for me, as it appears it does for Justin and Carey.

Thanks again, EPA team. This is much appreciated.

V	a	f	σ
r.	11	В.	┖

Please note my new email address: kate.fay@nblenergy.com

Kate Fay

Manager, Environmental and Regulatory Policy

Noble Energy, Inc.

1625 Broadway, Suite 2200

Denver, Colorado 80202

Ex. 6 - Personal Privacy (cell)

720.587.2397 (office)

From: Bylin, Carey [mailto:Bylin.Carey@epa.gov]

Sent: Tuesday, April 12, 2016 1:33 PM

To: Kate Fay

Cc: Pryor, Justin; Franklin, Pamela

Subject: EXTERNAL: RE: April 20 conference call with AXPC Environmental Committee

Hi Kate,

Thanks again for organizing this opportunity for us to present to AXPC. We'd like to take the 3-3:30p slot and Justin Pryor and Pamela Franklin will be representing the EPA.

Justin and I can plan to have a call with you and Mike this week to discuss. Would Thursday work? WE are available any time before 1p on that day. Also, do you have a

preference on us sharing a presentation vs. talking through the program?

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460

<image001.gif>

From: Kate Fay [mailto:Kate.Fay@nblenergy.com]

Sent: Tuesday, April 12, 2016 9:06 AM

To: Bylin, Carey < Bylin, Carey@epa.gov >
Cc: Gunning, Paul < Gunning, Paul@epa.gov >

Subject: Re: April 20 conference call with AXPC Environmental Committee

Perfect. And Geneva is lovely! All of Switzerland this lovely. I've been able to go many times. If you have a couple of extra days there are other wonderful things to do. And you're really close to France

Sent	from	mv	iPhone
DULL	TI OIII	III y	H HOHC

Kate Fay

Ex. 6 - Personal Privacy (cell)

On Apr 12, 2016, at 6:55 AM, Bylin, Carey < Bylin.Carey@epa.gov > wrote:

I will be in Geneva for a meeting – I don't know about magnificent but I've never been so it will be interesting.

Regarding the tough questions, I have asked if two people can participate on my behalf for exactly that reason! We will be prepared and also will make use of the "stage setting" meeting you've kindly offered.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460

<image001.gif>

From: Kate Fay [mailto:Kate.Fay@nblenergy.com]

Sent: Tuesday, April 12, 2016 8:50 AM

To: Bylin, Carey < Bylin. Carey@epa.gov >
Cc: Gunning, Paul < Gunning. Paul@epa.gov >

Subject: Re: April 20 conference call with AXPC Environmental Committee

I hope you are going somewhere magnificent. Thanks for checking on an alternate. Disappointed it won't be you. My only suggestion is to make sure there is someone who can answer some polite but possibly tough questions.

Thanks.

Sent from my iPhone

Kate Fay

Ex. 6 - Personal Privacy (cell)

On Apr 12, 2016, at 6:31 AM, Bylin, Carey < Bylin. Carey@epa.gov > wrote:

Kate,

Thank you for getting in touch and for your efforts to help promote Methane Challenge. We really appreciate it.

I will be on international travel on April 20 but I'm fairly certain we can cover. I will check with my colleagues and come back to you on who can participate in my place.

Best,
Carey
Ms. Carey Bylin
International Programs Leader, Oil and Gas
Natural Gas STAR Program
Global Methane Initiative
U.S. Environmental Protection Agency
Phone: +1-202-343-9669
Visiting Address & Private Deliveries (courier, FedEx etc.)
1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004
U.S. Mail Address:
Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460
<image001.gif></image001.gif>
From: Kate Fay [mailto:Kate.Fay@nblenergy.com] Sent: Monday, April 11, 2016 5:31 PM To: Bylin, Carey < Bylin.Carey@epa.gov > Cc: Gunning, Paul < Gunning.Paul@epa.gov >

Subject: April 20 conference call with AXPC Environmental Committee

ED_000761_0000368

Carey:
You may recall that we spoke about a month ago regarding having you participate in a short meeting with AXPC's environmental leadership to answer questions about the voluntary methane program. There is no need to fly to OK for this (not that you had committed to doing so:). However, would you be able to make yourself available for 20 to 30 minutes on April 20 between 2 pm and 4 pm eastern time? If so, I will arrange a short call with the Committee Chair (Mike Grenz, also of Noble), you and me to "set the stage" for you. Personally, I think this would be a great opportunity to help generate more interest in the program among oil and gas producers. I am always an optimist!!
Please advise
Thanks
Kate
Please note my new email address: kate.fay@nblenergy.com
Kate Fay
Manager, Environmental and Regulatory Policy
Noble Energy, Inc.
1625 Broadway, Suite 2200
Denver, Colorado 80202

Ex. 6 - Personal Privacy (cell)

720.587.2397 (office)

To: Kate Fay[Kate.Fay@nblenergy.com]

Cc: Pryor, Justin[Pryor.Justin@epa.gov]; Pamela Franklin[Franklin.Pamela@epa.gov]

From: Bylin, Carey

Sent: Tue 4/12/2016 7:32:41 PM

Subject: RE: April 20 conference call with AXPC Environmental Committee

Hi Kate,

Thanks again for organizing this opportunity for us to present to AXPC. We'd like to take the 3-3:30p slot and Justin Pryor and Pamela Franklin will be representing the EPA.

Justin and I can plan to have a call with you and Mike this week to discuss. Would Thursday work? WE are available any time before 1p on that day. Also, do you have a preference on us sharing a presentation vs. talking through the program?

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Kate Fay [mailto:Kate.Fay@nblenergy.com]

Sent: Tuesday, April 12, 2016 9:06 AM

To: Bylin, Carey <Bylin.Carey@epa.gov>
Cc: Gunning, Paul <Gunning.Paul@epa.gov>

Subject: Re: April 20 conference call with AXPC Environmental Committee

Perfect. And Geneva is lovely! All of Switzerland this lovely. I've been able to go many times. If you have a couple of extra days there are other wonderful things to do. And you're really close to France

Sent from my iPhone

Kate Fay

Ex. 6 - Personal Privacy (cell)

On Apr 12, 2016, at 6:55 AM, Bylin, Carey < Bylin. Carey@epa.gov > wrote:

I will be in Geneva for a meeting – I don't know about magnificent but I've never been so it will be interesting.

Regarding the tough questions, I have asked if two people can participate on my behalf for exactly that reason! We will be prepared and also will make use of the "stage setting" meeting you've kindly offered.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460

<image001.gif>

From: Kate Fay [mailto:Kate.Fay@nblenergy.com]

Sent: Tuesday, April 12, 2016 8:50 AM

To: Bylin, Carey < Bylin. Carey@epa.gov >
Cc: Gunning, Paul < Gunning. Paul@epa.gov >

Subject: Re: April 20 conference call with AXPC Environmental Committee

I hope you are going somewhere magnificent. Thanks for checking on an alternate. Disappointed it won't be you. My only suggestion is to make sure there is someone who can answer some polite but possibly tough questions.

Thanks.

Sent from my iPhone

Kate Fay		
Ex. 6 - Personal Privacy (Cell)		
On Apr 12, 2016, at 6:31 AM, Bylin, Carey < Bylin. Carey@epa.gov > wrote:		
Kate,		
Thank you for getting in touch and for your efforts to help promote Methane Challenge. We really appreciate it.		
I will be on international travel on April 20 but I'm fairly certain we can cover. I will check with my colleagues and come back to you on who can participate in my place.		
Best,		
Carey		
Ms. Carey Bylin		
International Programs Leader, Oil and Gas		
Natural Gas STAR Program		
Global Methane Initiative		
U.S. Environmental Protection Agency		
Phone: +1-202-343-9669		

Visiting Address & Private Deliveries (courier, FedEx etc.) 1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004 U.S. Mail Address: Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460 <image001.gif> From: Kate Fay [mailto:Kate.Fay@nblenergy.com] Sent: Monday, April 11, 2016 5:31 PM **To:** Bylin, Carey < Bylin. Carey@epa.gov> Cc: Gunning, Paul < Gunning. Paul @epa.gov> Subject: April 20 conference call with AXPC Environmental Committee Carey: You may recall that we spoke about a month ago regarding having you participate in a short meeting with AXPC's environmental leadership to answer questions about the voluntary methane program. There is no need to fly to OK for this (not that you had committed to doing so:). However, would you be able to make yourself available for 20 to 30 minutes on April 20 between 2 pm and 4 pm eastern time? If so, I will arrange a short call with the Committee Chair (Mike Grenz, also of Noble), you and me to "set the stage" for you. Personally, I think this would be a great opportunity to help generate more interest in the program among oil and gas producers. I am always an optimist!! Please advise Thanks

1	Z	a	ŕ	۵
н	•	а	ъ.	

Please note my new email address: kate.fay@nblenergy.com

Kate Fay

Manager, Environmental and Regulatory Policy

Noble Energy, Inc.

1625 Broadway, Suite 2200

Denver, Colorado 80202

Ex. 6 - Personal Privacy (cell)

720.587.2397 (office)

To: Philip.Swanson.Affiliate@unep.org[Philip.Swanson.Affiliate@unep.org]
Cc: Manfredi.Caltagirone@unep.org[Manfredi.Caltagirone@unep.org]

From: Bylin, Carey

Sent: Tue 4/12/2016 5:20:49 PM **Subject:** RE: Sharing of Appendix A

Hi Phil,

My involvement in both Methane Challenge and OGMP is alternatingly beneficial and awkward. For this one I need to bow out on getting involved and leave it completely up to you. Thanks for asking, though.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Philip.Swanson.Affiliate@unep.org [mailto:Philip.Swanson.Affiliate@unep.org]

Sent: Monday, April 11, 2016 12:47 PM
To: Bylin, Carey <Bylin.Carey@epa.gov>
Cc: Manfredi.Caltagirone@unep.org
Subject: Fw: Sharing of Appendix A

Carev.

I would assume this promotes harmonisation. Please let me know if you see any problems with Fiji's proposal. Thanks. Best,

Phil

----Forwarded by Philip Swanson/DTIE/UNEP/NBO/UNO on 04/11/2016 06:45PM -----

To: "Philip.Swanson.Affiliate@unep.org" < Philip.Swanson.Affiliate@unep.org>, "Manfredi.Caltagirone@unep.org" < Manfredi.Caltagirone@unep.org>

From: Fiji George <Fiji George@SWN.COM>

Date: 04/11/2016 05:59PM Subject: Sharing of Appendix A

Phil and Manfredi,

As you know ONE future will be part of the US EPA's methane challenge program. One issue we are working to incorporate is the use of direct measurements and I am trying to ensure consistency with all voluntary program. If it is ok with you, I like to share the Appendix A with my ONE Future colleagues (they had already seen the draft) and essentially I like to incorporate Appendix A to the ONE Future program by reference or at least incorporate most of it. This I believe will help both programs and members like SWN who are in both programs.

Fiji George Director, Strategic Solutions

Tel: 832-796-2891 Mobile: (b)(6) personal privacy

Email: fiji.george@swn.com

Notice: This e-mail may contain privileged and/or confidential information and is intended only for the addressee. If you are not the addressee or the person responsible for delivering it to the addressee, you

may not copy or distribute this communication to anyone else. If you received this communication in error, please notify us immediately by telephone or return e-mail and promptly delete the original message from your system.

To: Kate Fay[Kate.Fay@nblenergy.com]
Cc: Gunning, Paul[Gunning.Paul@epa.gov]

From: Bylin, Carey

Sent: Tue 4/12/2016 12:55:33 PM

Subject: RE: April 20 conference call with AXPC Environmental Committee

I will be in Geneva for a meeting – I don't know about magnificent but I've never been so it will be interesting.

Regarding the tough questions, I have asked if two people can participate on my behalf for exactly that reason! We will be prepared and also will make use of the "stage setting" meeting you've kindly offered.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Kate Fay [mailto:Kate.Fay@nblenergy.com]

Sent: Tuesday, April 12, 2016 8:50 AM

To: Bylin, Carey <Bylin.Carey@epa.gov>
Cc: Gunning, Paul <Gunning.Paul@epa.gov>

Subject: Re: April 20 conference call with AXPC Environmental Committee

I hope you are going somewhere magnificent. Thanks for checking on an alternate. Disappointed it won't be you. My only suggestion is to make sure there is someone who can answer some polite but possibly tough questions.

Thanks.
Sent from my iPhone

Kate Fay

Ex. 6 - Personal Privacy (cell)

On Apr 12, 2016, at 6:31 AM, Bylin, Carey < Bylin.Carey@epa.gov > wrote:

Kate,

Thank you for getting in touch and for your efforts to help promote Methane Challenge. We really appreciate it.

I will be on international travel on April 20 but I'm fairly certain we can cover. I will check with my colleagues and come back to you on who can participate in my place.

Best, Carey Ms. Carey Bylin International Programs Leader, Oil and Gas Natural Gas STAR Program Global Methane Initiative U.S. Environmental Protection Agency Phone: +1-202-343-9669 Visiting Address & Private Deliveries (courier, FedEx etc.) 1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004 U.S. Mail Address: Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460 <image001.gif>

From: Kate Fay [mailto:Kate.Fay@nblenergy.com]

Sent: Monday, April 11, 2016 5:31 PM

To: Bylin, Carey < Bylin. Carey@epa.gov >
Cc: Gunning, Paul < Gunning. Paul@epa.gov >

Subject: April 20 conference call with AXPC Environmental Committee

Carey:
You may recall that we spoke about a month ago regarding having you participate in a short meeting with AXPC's environmental leadership to answer questions about the voluntary methane program. There is no need to fly to OK for this (not that you had committed to doing so:). However, would you be able to make yourself available for 20 to 30 minutes on April 20 between 2 pm and 4 pm eastern time? If so, I will arrange a short call with the Committee Chair (Mike Grenz, also of Noble), you and me to "set the stage" for you. Personally, I think this would be a great opportunity to help generate more interest in the program among oil and gas producers. I am always an optimist!!
Please advise
Thanks
Kate
Please note my new email address: kate.fay@nblenergy.com
Kate Fay
Manager, Environmental and Regulatory Policy
Noble Energy, Inc.
1625 Broadway, Suite 2200
Denver, Colorado 80202
Ex. 6 - Personal Privacy (cell)

720.587.2397 (office)

To: Cc: From: Sent: Subject:	Kate Fay[Kate.Fay@nblenergy.com] Gunning, Paul[Gunning.Paul@epa.gov] Bylin, Carey Tue 4/12/2016 12:30:49 PM RE: April 20 conference call with AXPC Environmental Committee
Kate,	
	ou for getting in touch and for your efforts to help promote Methane Challenge. We preciate it.
	on international travel on April 20 but I'm fairly certain we can cover. I will check with agues and come back to you on who can participate in my place.
Best,	
Carey	
Ms. Care	y Bylin
Internation	onal Programs Leader, Oil and Gas
Natural C	Gas STAR Program
Global M	lethane Initiative
U.S. Env	ironmental Protection Agency
Phone: +	-1-202-343-9669
Visiting A	Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Kate Fay [mailto:Kate.Fay@nblenergy.com]

Sent: Monday, April 11, 2016 5:31 PM
To: Bylin, Carey <Bylin.Carey@epa.gov>
Cc: Gunning, Paul <Gunning.Paul@epa.gov>

Subject: April 20 conference call with AXPC Environmental Committee

Carey:

You may recall that we spoke about a month ago regarding having you participate in a short meeting with AXPC's environmental leadership to answer questions about the voluntary methane program. There is no need to fly to OK for this (not that you had committed to doing so:). However, would you be able to make yourself available for 20 to 30 minutes on April 20 between 2 pm and 4 pm eastern time? If so, I will arrange a short call with the Committee Chair (Mike Grenz, also of Noble), you and me to "set the stage" for you. Personally, I think this would be a great opportunity to help generate more interest in the program among oil and gas producers. I am always an optimist!!

Please advise

Thanks

Kate

Please note my new email address: kate.fay@nblenergy.com

Kate Fay

Manager, Environmental and Regulatory Policy

Noble Energy, Inc.

1625 Broadway, Suite 2200

Denver, Colorado 80202

Ex. 6 - Personal Privacy (cell)

720.587.2397 (office)

To: Brian Jones[bjones@mjbradley.com]; rlacount@mjbradley.com[rlacount@mjbradley.com]

Cc: Pryor, Justin[Pryor.Justin@epa.gov]

From: Bylin, Carey

Sent: Mon 4/11/2016 2:09:15 PM

Subject: Methane Challenge Launch Photos

Brian and Rob,

Good to see you last week, and thank you again for your very positive contributions to the development and launch of the Methane Challenge Program. We have photos that you may download from the Launch event via Dropbox.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460

To: Fiji George[Fiji_George@SWN.COM]

Cc: Franklin, Pamela[Franklin.Pamela@epa.gov]; Gunning, Paul[Gunning.Paul@epa.gov]; Richard Hyde[rhyde@aglresources.com]; Edwin.Mongan@bhpbilliton.com[Edwin.Mongan@bhpbilliton.com];

Hutchins, Thomas D (Tom)[Thomas_Hutchins@kindermorgan.com]; Jim

Kibler[jkibler@aglresources.com]; lschaaff@hess.com[lschaaff@hess.com]; Pryor,

Justin[Pryor.Justin@epa.gov]

From: Bylin, Carey

Sent: Fri 4/8/2016 5:04:25 PM

Subject: RE: EPA-ONE Future Next Steps 3-21-16 REVISED (2).DOCX

Hi Fiji,

I saw the change on the Monday meetings, thanks for that. I didn't realize there was a call-in for the Wednesday meeting (seems they've done the external invite separately), but sounds like we are set for Wednesday as well.

Have a great weekend.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Fiji George [mailto:Fiji George@SWN.COM]

Sent: Thursday, April 07, 2016 4:34 PM **To:** Bylin, Carey <Bylin.Carey@epa.gov>

Cc: Franklin, Pamela ; Gunning, Paul ; Richard Hyde <rhyde@aglresources.com; Edwin.Mongan@bhpbilliton.com; Hutchins, Thomas D (Tom) ; Jim Kibler ; Jkibler@aglresources.com)

lschaaff@hess.com; Pryor, Justin < Pryor.Justin@epa.gov>

Subject: Re: EPA-ONE Future Next Steps 3-21-16 REVISED (2).DOCX

Thanks Carey. I will extend the call to an hour.

For the meeting on the 13th, we will have few members call in. There was a contact number including in the meeting invite (below). I presume it is an EPA line.

Ex. 6 - Personal Privacy the passcode will be Ex. 6 - Personal Privacy

For the weekly calls, we can use the Webex line in case we want to share documents or screen.

Thanks,

Fiji George

Southwestern	Energy

On Apr 7, 2016, at 3:21 PM, Bylin, Carey < Bylin.Carey@epa.gov > wrote:

Hi Fiji,

Good to see you last week. Thank you for the invites for the weekly meetings. I noticed they came through as only 30 minutes (2:30-3:00p) – I assume that was inadvertent?

For Wednesday, we are looking forward to seeing many of you here in the office. Will we need a conference line as well? If so, do you have a preference on using yours or ours (I noticed for our weeklies you have a webex connection)?

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460

<image001.gif>

From: Fiji George [mailto:Fiji George@SWN.COM]

Sent: Sunday, April 03, 2016 7:50 PM

To: Bylin, Carey <<u>Bylin.Carey@epa.gov</u>>; Franklin, Pamela <<u>Franklin.Pamela@epa.gov</u>>;

Gunning, Paul < Gunning. Paul@epa.gov>

Cc: Richard Hyde <<u>rhyde@aglresources.com</u>>; <u>Edwin.Mongan@bhpbilliton.com</u>; Hutchins, Thomas D (Tom) <<u>Thomas_Hutchins@kindermorgan.com</u>>; Jim Kibler <<u>jkibler@aglresources.com</u>>; <u>lschaaff@hess.com</u>

Subject: EPA-ONE Future Next Steps 3-21-16 REVISED (2).DOCX

Paul, Pamela and Carey,

Trust all of you had a great weekend.

As you may have heard, we are transitioning from Tom Michels to Richard Hyde (copied here).

Through this note, I would like to confirm our weekly calls for Mondays from 2:30-3:30 pm (eastern) with the first call being set for Monday, April 11th. I will follow up shortly with a meeting invite. Please do not hesitate to reach out to us if you have any further questions.

Thank you,

Fiji George Director, Strategic Solutions

Tel: 832-796-2891

Mobile: Ex. 6 - Personal Privacy

Email: fiji.george@swn.com

Fiji George

Notice: This e-mail may contain privileged and/or confidential information and is intended only for the addressee. If you are not the addressee or the person responsible for delivering it to the addressee, you may not copy or distribute this communication to anyone else. If you received this communication in error, please notify us immediately by telephone or return e-mail and promptly delete the original message from your system.

Notice: This e-mail may contain privileged and/or confidential information and is intended only for the addressee. If you are not the addressee or the person responsible for delivering it to the addressee, you may not copy or distribute this communication to anyone else. If you received this communication in error, please notify us immediately by telephone or return e-mail and promptly delete the original message from your system.

To: Brian Jones[bjones@mjbradley.com]

From: Bylin, Carey

Sent: Thur 4/7/2016 7:56:15 PM
Subject: EPA Presentation for Tomorrow

EPA og update 04 08 16.pdf

HI Brian,

Attached is Paul's presentation for the meeting tomorrow in case you want to send to anyone who is joining by phone.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460

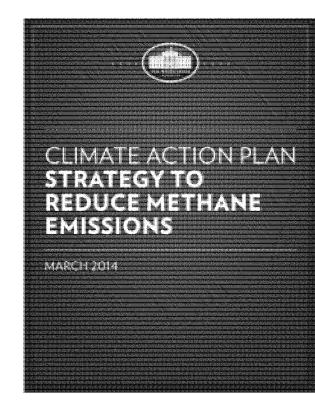


Overview of EPA Oil and Gas Activities

April 2016

Background

- ► March 2014 White House releases the *Strategy to Reduce Methane Emissions*
 - Outlined regulatory and voluntary actions in the oil and gas sector
 - International and domestic actions
- ▶ January 2015 Administration announces a new goal to cut methane emissions from the oil and gas sector by 40-45 percent from 2012 levels by 2025
 - Included series of regulatory and voluntary steps that EPA and other federal agencies are pursuing
- ► March 2016 Administration announces that EPA will begin developing regulations for methane emissions from existing oil and gas sources.
 - EPA will begin with a formal process to require companies operating existing sources to provide information to assist in the development of comprehensive regulations to reduce methane emissions.



New Source Performance Standards (NSPS)

- ► In August 2015, the EPA proposed to update its 2012 standards for new and modified sources in the oil and gas industry, adding methane to the pollutants they cover, along with additional processes and equipment.
- ► EPA's proposed updates would require owners/operators to:
 - Capture natural gas from the completion of hydraulically fractured oil wells
 - Find and repair leaks (fugitive emissions)
 - Limit emissions from new and modified pneumatic pumps
 - Expand coverage to limit emissions from several types of equipment used at natural gas transmission compressor stations and gas storage facilities
- ► EPA received more than 900,000 comments received on the proposed rule and held three public hearings.
- The agency anticipates issuing a final rule this spring.

Control Technique Guidelines (CTGs)

- ▶ In August 2015, the EPA also issued draft "Control Technique Guidelines" for reducing VOC emissions from existing equipment and processes in the oil & gas sector
- CTGs provide recommendations for state and local air agencies to consider in determining reasonably available control technology, or "RACT" for reducing emissions from covered processes and equipment.
 - Under the Clean Air Act, RACT applies ozone nonattainment areas that are classified as Moderate and above, and in states in the Ozone Transport Region
 - Affected areas and states would have to address the sources covered in the CTGs as part of state plans for meeting EPA's ozone health standards.
 - The draft CTG includes detailed information on the costs of available controls to help states as they determine RACT for affected sources in their areas.
- EPA anticipates issuing final guidelines this spring

EPA's Greenhouse Gas Reporting Program

- EPA is collecting its fifth year of Greenhouse Gas Reporting Program (GHGRP) data from the oil and gas sector
 - Through this successful program, EPA collects annual greenhouse gas emissions data from facilities across the natural gas value chain that are above the emissions threshold for reporting
- EPA has addressed gaps in the GHGRP
 - Starting in reporting year 2016, new requirements for onshore petroleum and natural gas gathering and boosting activities, onshore natural gas transmission pipelines, completions and workovers of oil wells with hydraulic fracturing
- ► EPA is exploring opportunities to apply innovative monitoring technologies such as leak detection and remote sensing technologies
 - In January 2016, EPA proposed to add new monitoring methods for detecting leaks consistent with leak detection methods in the proposed NSPS and emission factors to be used in conjunction with these monitoring methods

U.S. GHG Inventory

- EPA makes annual updates to the Inventory of U.S. GHG Emissions and Sinks (GHG Inventory)
 - Official U.S. estimate submitted to UNFCCC
 - Expert, public, and international reviews of GHG Inventory estimates
- EPA annually reviews new data for potential updates to its emission estimates in the GHG Inventory
- Substantial amounts of new information available on the oil and gas sector
 - EPA's Greenhouse Gas Reporting Program
 - Research studies by government, academic, and industry researchers, and industry organizations
- The Draft GHG Inventory contains a number of important updates reflecting new and improved data
 - EPA is still reviewing feedback from extensive review and stakeholder outreach, and calculating estimates across the full 1990-2014 time series
 - Final GHG Inventory report (published by April 15) will contain the full time series

Voluntary Efforts: Natural Gas STAR Methane Challenge

- Methane Challenge expands the Natural Gas STAR Program
 - Specific, ambitious commitments
 - Transparent reporting through Subpart W of the Greenhouse Gas Reporting Program (with supplemental reporting)
 - Company-level recognition of commitments and progress
- ► The program covers onshore oil production and the entire value chain from onshore production through natural gas distribution
- EPA launched the Program Best Management Practices Commitment Option with 41 founding partners on March 30, 2016, at the Global Methane Forum in Washington, DC
- ► EPA is currently working with ONE Future to finalize the details of the Emissions Intensity Commitment

International Efforts

- EPA actively supports international efforts to quantify and reduce oil and gas sector methane emissions
 - Recent Global Methane Forum event, hosted by EPA under the auspices of Global Methane Initiative & CCAC, attracted more than 500 participants from more than 60 countries to discuss key technical, policy, and financial challenges to methane mitigation
- Global Methane Initiative:
 - Partnership of 43 countries dedicated to advancing cost-effective,
 voluntary methane mitigation, including in the oil and gas sector
- Climate and Clean Air Coalition (CCAC):
 - Partnership of over 100 state and non-state partners to accelerate action to reduce short-lived climate pollutants (methane, HFCs, black carbon) across multiple sectors
 - CCAC Oil and Gas Methane Partnership (OGMP): voluntary international partnership of global upstream industry leaders that make comprehensive commitments to 1) quantify and reduce emissions from nine core sources and 2) publicly disclose progress
 - OGMP launched September 2014 and administered by UNEP
 - Seven OGMP partners will submit first reports Spring 2016

March 2016 O&G Announcement

- On March 10, 2016, as part of the Obama Administration's commitment to addressing air pollution and climate change, EPA announced its next step in reducing emissions from the oil and natural gas industry: Moving to regulate emissions from existing sources.
- The agency will begin with an Information Collection Request to gather a broad range of information on existing sources of methane emissions, technologies to reduce those emissions, and the costs of those technologies.
 - □ Will cover the production, gathering, processing, and transmission and storage segments of the oil and gas sector.

Why is an ICR needed?

- Information that has become available in the past few years, including data reported in GHGRP, and from external studies, has improved our understanding of methane emissions from existing sources
 - Emissions are significantly higher than previously understood
- ► To develop standards for existing sources, EPA needs additional information, such as:
 - Facility, or site characteristics
 - Baseline control levels
 - Emission reduction technologies and costs
 - Ranges of equipment used and operating conditions
 - Monitoring challenges
 - Other rules that may apply to the sources

What information do we need to collect?

Examples include:

- Facility or site characteristics
 - Equipment descriptions and configuration
 - □ Well information- age, production, workover schedules
 - Availability of electricity, generating capacity, gathering lines
 - Information on manned and unmanned operations and frequency of onsite personnel
 - Availability of monitoring equipment
- Baseline levels of control and applicable requirements
- Information on maintenance and non-routine events such as blowdowns and malfunctions

ICR Process & Schedule

- Governed by the Paperwork Reduction Act
- Provides two public review opportunities:
 - ▶ 1st draft ICR 60 day Public Comment Period
 - EPA will revise the draft as necessary based on public comment
 - 2nd draft ICR– 30 day Public Comment Period
 - EPA will send to the Office of Management and Budget for their review
 - EPA works with OMB to get the ICR (survey) approved
 - EPA will revise the draft as necessary based on public comment
- Final ICR issued; survey sent to industry
- EPA anticipates signing draft ICR this spring; surveys would go out this fall.

Thank you!

Paul M. Gunning
Director, Climate Change Division
Office of Atmospheric Programs
Office of Air & Radiation
U.S. Environmental Protection Agency

Phone: (202) 343-9736

E-mail: gunning.paul@epa.gov

- ▶ Information on the March 10, 2016 announcement:
 - https://www3.epa.gov/airquality/oilandgas/methane.html
- ▶ ICR process questions: Brenda Shine 919-541-3608

To: Dickersbach, Melanie Carrow:(BSC)[Melanie.Dickersbach@exeloncorp.com]; elina.bouloubasis@erg.com[elina.bouloubasis@erg.com]; Lacey, Pam[PLacey@aga.org]

Cc: Heffron, Michael:(Exelon Utilities)[Michael.Heffron@exeloncorp.com]; Brady, William J:(BSC)[williamj.brady@exeloncorp.com]; Elsberg, Paul:(BSC)[Paul.Elsberg@exeloncorp.com]

From: Bylin, Carey

Sent: Wed 3/30/2016 1:39:09 AM

Subject: RE: Update: Natural Gas STAR Methane Challenge Program - Exelon

HI Melanie,

Just confirming we received this and will make the change. Thanks!

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Dickersbach, Melanie Carrow:(BSC) [mailto:Melanie.Dickersbach@exeloncorp.com]

Sent: Tuesday, March 29, 2016 9:09 AM

To: Bylin, Carey <Bylin.Carey@epa.gov>; elina.bouloubasis@erg.com; Lacey, Pam

<PLacey@aga.org>

Cc: Heffron, Michael:(Exelon Utilities) < Michael. Heffron@exeloncorp.com>; Brady, William

J:(BSC) <williamj.brady@exeloncorp.com>; Elsberg, Paul:(BSC)

<Paul.Elsberg@exeloncorp.com>

Subject: RE: Update: Natural Gas STAR Methane Challenge Program - Exelon

Importance: High

Hi Carey and Pam -

Following the close of the Exelon / PHI merger last week, I just wanted to pass along the revised Summary to use for Exelon Utilities as it will now also cover the Delmarva Power gas system as well.

Thank you for your help with this and all the best for the launch event tomorrow,

Melanie

Summary:

Exelon is the leading U.S. competitive energy provider and delivers natural gas to more than 1.2 million customers in central Maryland (through BGE), northern Delaware (through Delmarva Power), and southeastern Pennsylvania (through PECO). BGE, Delmarva Power and PECO have been Natural Gas STAR partners for 20 years or more, and Exelon is proud to be a founding partner of the Natural Gas STAR Methane Challenge Program. The company has accepted EPA's challenge by pledging to reduce methane emissions from the Exelon utilities' natural gas distribution systems. Exelon has committed to replace its utilities' combined inventory of cast/ductile iron and bare steel distribution mains at a minimum replacement rate of 2% per year by 2017 and to maintain this rate for at least five years. Exelon also has committed to replace

cast iron and bare steel services when an associated main is replaced.
Company website: www.exeloncorp.com
Name to be listed on Methane Challenge Program website: Exelon Utilities (BGE, PECO, and
Delmarva Power gas systems)
Person representing your company at the launch event:
Bill Brady, Director Corporate Environmental Strategy, (215) 841-3555
Individual coordinating your company's participation at the launch event:
Paul Elsberg, Sr. Manager External Communications, (312) 394-4879
Please contact me if there is any other information that is needed at this time, or an original of the partnership agreement needs to also be submitted by mail.
the partnership agreement needs to also be submitted by man.
Sincerely,
Sincerery,
Melanie Dickersbach
Climate and Environment Strategy Manager
Exelon Corporation
2301 Market Street S23-3
Philadelphia, PA 19103
Office: 215.841.6371 Cell: 215.316.8426

This Email message and any attachment may contain information that is proprietary, legally privileged, confidential and/or subject to copyright belonging to Exelon Corporation or its affiliates ("Exelon"). This Email is intended solely for the use of the person(s) to which it is addressed. If you are not an intended recipient, or the employee or agent responsible for delivery of this Email to the intended recipient(s), you are hereby notified that any dissemination, distribution or copying of this Email is strictly prohibited. If you have received this message in error, please immediately notify the sender and permanently delete this Email and any copies. Exelon policies expressly prohibit employees from making defamatory or offensive statements and infringing any copyright or any other legal right by Email communication. Exelon will not accept any liability in respect of such communications. -EXCIP

To: Booth, Kevin[Kevin.Booth@avistacorp.com]
Cc: Pryor, Justin[Pryor.Justin@epa.gov]

From: Bylin, Carey

Sent: Tue 3/29/2016 9:03:33 PM

Subject: RE: [External] RE: Avista Utilities signed Partnership Agreement for the Natural Gas STAR

Methane Challenge

Kevin,

Great, thanks for the confirmation. I am out of the office for the rest of the week so Justin Pryor will send you the revised and signed copy next week.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Booth, Kevin [mailto:Kevin.Booth@avistacorp.com]

Sent: Tuesday, March 29, 2016 1:54 PM **To:** Bylin, Carey <Bylin.Carey@epa.gov>

Subject: RE: [External] RE: Avista Utilities signed Partnership Agreement for the Natural Gas

STAR Methane Challenge

Hi Carey,

A start date of 9/30/16 works for us. Please revise the Partnership Agreement accordingly.

Thanks, Kevin

Kevin Booth | Avista Corp.

509-495-4738 | 509-990-5915 (Cell) | 509-777-5892 (Fax) kevin.booth@avistacorp.com

From: Bylin, Carey [mailto:Bylin.Carey@epa.gov]

Sent: Friday, March 25, 2016 8:58 AM

To: Booth, Kevin

Cc: Simock, Debbie; Tyrie, Mary; Howard, Bruce; Webb, Jeff

Subject: [External] RE: Avista Utilities signed Partnership Agreement for the Natural Gas STAR Methane

Challenge

Hi Kevin,

Thank you very much for this. We are in the process of countersigning the documents and will send you a fully executed version shortly.

I wanted to follow up on one small detail that we will need to correct on the Partnership Agreement. The Start Date is listed as "2016" for Excavation Damages. The Start Date should

be a specific date that is within six months of joining the Program, so the latest it can be is September 30, 2016. Are you okay with our recognizing your Start Date as 9/30/16? Or you can choose another date between the launch and that point. The significance of the start date is that is when companies need to start collecting the data they need to track commitments (though for founding partners comprehensive reporting will start for the 2017 calendar year).

If you are okay with this, I will hand-write the revisions to the Partnership Agreement. Please reply with your concurrence (if you agree) so we can have written confirmation in our file.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Booth, Kevin [mailto:Kevin.Booth@avistacorp.com]

Sent: Wednesday, March 23, 2016 3:42 PM **To:** Bylin, Carey < Bylin, Carey@epa.gov>

Cc: Simock, Debbie < <u>Debbie.Simock@avistacorp.com</u>>; Tyrie, Mary < <u>Mary.Tyrie@avistacorp.com</u>>; Howard, Bruce < <u>Bruce.Howard@avistacorp.com</u>>; Webb, Jeff < Jeff.Webb@avistacorp.com>

Subject: Avista Utilities signed Partnership Agreement for the Natural Gas STAR Methane Challenge

Ms. Bylin,

Attached are the signed Partnership Agreement and Appendix A - Commitment Table for the Natural Gas STAR Methane Challenge Program. Avista has committed via this agreement to establishing a best management practice for documenting excavation damages in the local distribution companies it operates in the natural gas distribution sector. Avista will use the collected data to set a goal for reducing excavation damages and methane emissions from excavation damages.

<u>Avista</u> Utilities is involved in the production, transmission and distribution of energy. We provide energy services, electricity and natural gas to customers in eastern Washington, northern Idaho and parts of southern and eastern Oregon. Avista Utilities is an operating division of <u>Avista</u> <u>Corp</u>.

Kevin Booth | Avista Corp. 509-495-4738 | 509-990-5915 (Cell) | 509-777-5892 (Fax) kevin.booth@avistacorp.com

USE CAUTION - EXTERNAL SENDER

Do not click on links or open attachments that are not familiar. For questions or concerns, please e-mail phishing@avistacorp.com

To: Donatiello, Steven T.[Steven.Donatiello@thelacledegroup.com]

Cc: Hoeferlin, Craig R.[Craig.Hoeferlin@thelacledegroup.com]; Lauber, Mark

D.[Mark.Lauber@thelacledegroup.com]; elina.bouloubasis@erg.com[elina.bouloubasis@erg.com]; Lacey,

Pam[PLacey@aga.org]; Piry-Haines, Michelle P.[Michelle.Piry@thelacledegroup.com]

From: Bylin, Carey

Sent: Tue 3/29/2016 5:58:49 PM

Subject: Re: Final Logistics for EPA's Methane Challenge Launch Event

Hi Steve,

Thank you, we will take note of this version but note that it will be read by our Office Dieector, Sarah Dunham, so the 'we' 'our' language needs to be changed as we had proposed. Does that make sense?

Carey Bylin

On Mar 29, 2016, at 12:39 PM, Donatiello, Steven T. Steven.Donatiello@thelacledegroup.com wrote:

Hi Carey,

Please revise as shown below.

The Laclede Group- Craig Hoeferlin, Vice President of Operations Services

We believe in a world where energy enriches people's lives. Our mission is to make that idea a reality. Across the regions we serve, we at The Laclede Group dedicate ourselves to helping our 1.56 million residential, commercial and industrial customers across Missouri and Alabama to reach their personal and professional goals every day.

We are committed to upgrading pipelines across our regions to provide even safer and more reliable natural gas to our customers. Last year, we replaced 235 miles of pipeline, and plan to continue at this rate.

Steve

be made.

Steve Donatiello, P.E. Environmental Engineer III Laclede Gas Company **Environmental Compliance** 5th Floor 700 Market Street ***I have a new address.*** St. Louis, MO 63101 steven.donatiello@TheLacledeGroup.com 314-658-5541 314-307-5948 (cell) ***I have a new cell phone number.*** 314-535-9414 (fax) <image002.jpg> From: Bylin, Carey [mailto:Bylin.Carey@epa.gov] Sent: Tuesday, March 29, 2016 11:22 AM To: Donatiello, Steven T. Cc: Hoeferlin, Craig R.; Lauber, Mark D.; elina.bouloubasis@erg.com Subject: RE: Final Logistics for EPA's Methane Challenge Launch Event Hi Steve, This is what we have for Laclede, please let me know if there are any changes that need to

The Laclede Group- Craig Hoeferlin, Vice President of Operations Services

The Laclede Group believes in a world where energy enriches people's lives. Across the regions they serve, The Laclede Group dedicates themselves to helping 1.56 million residential, commercial and industrial customers across Missouri and Alabama. The company is committed to upgrading pipelines across their regions to provide even safer and more reliable natural gas to its customers. Last year, The Laclede Group replaced 235 miles of pipeline, and plans to continue at this rate.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460

<image005.gif>

From: Donatiello, Steven T. [mailto:Steven.Donatiello@thelacledegroup.com]

Sent: Tuesday, March 29, 2016 12:16 PM **To:** Bylin, Carey <<u>Bylin.Carey@epa.gov</u>>

Cc: Hoeferlin, Craig R. < Craig. Hoeferlin@thelacledegroup.com>; Lauber, Mark D.

< Mark. Lauber@thelacledegroup.com>

Subject: FW: Final Logistics for EPA's Methane Challenge Launch Event

Importance: High

Carey,

Elina is unavailable. Can you address my question below?

We are double checking everything.

Please send me the name, title and the brief statement that will be read as our representative, Mr. Craig Hoeferlin walks onto the stage.

Thanks

Steve

Steve Donatiello, P.E.

Environmental Engineer III

Laclede Gas Company

Environmental Compliance

5th Floor

700 Market Street ***I have a new address.***

St. Louis, MO 63101

steven.donatiello@TheLacledeGroup.com
314-658-5541

314-307-5948 (cell) ***I have a new cell phone number.***
314-535-9414 (fax)

<image006.jpg>

From: Elina Bouloubasis [mailto:Elina.Bouloubasis@erg.com]

Sent: Friday, March 25, 2016 3:18 PM

Cc: Bylin, Carey

Subject: Final Logistics for EPA's Methane Challenge Launch Event

Hi all,

Thank you again for participating in the Methane Challenge Launch Event next Wednesday, March 30. We look forward to seeing you there! Attached is the **final agenda**. Please note, there has been a slight time shift and the event now starts at 10:15 am; however, we're still encouraging partner representatives to arrive at 10:00 am to address logistics. In addition, there will be an informal opportunity from 12:30 to 1:30 pm for partners to discuss the Methane Challenge with EPA representatives—we hope you can attend! (The location will be announced at the Launch Event.)

Please feel free to contact Carey Bylin (202-343-9669 or <u>bylin.carey@epa.gov</u>) with any questions about the Methane Challenge Partnership and contact me (703-373-0149 or <u>elina.bouloubasis@erg.com</u>) with any questions about the launch event.

Sincerely,

Elina Bouloubasis

ERG - Contractor Support to the

EPA's Methane Challenge Program

To: Donatiello, Steven T.[Steven.Donatiello@thelacledegroup.com]

Cc: Hoeferlin, Craig R.[Craig.Hoeferlin@thelacledegroup.com]; Lauber, Mark

D.[Mark.Lauber@thelacledegroup.com]; elina.bouloubasis@erg.com[elina.bouloubasis@erg.com]

From: Bylin, Carey

Sent: Tue 3/29/2016 4:22:15 PM

Subject: RE: Final Logistics for EPA's Methane Challenge Launch Event

Hi Steve,

This is what we have for Laclede, please let me know if there are any changes that need to be made.

The Laclede Group- Craig Hoeferlin, Vice President of Operations Services

The Laclede Group believes in a world where energy enriches people's lives. Across the regions they serve, The Laclede Group dedicates themselves to helping 1.56 million residential, commercial and industrial customers across Missouri and Alabama. The company is committed to upgrading pipelines across their regions to provide even safer and more reliable natural gas to its customers. Last year, The Laclede Group replaced 235 miles of pipeline, and plans to continue at this rate

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Donatiello, Steven T. [mailto:Steven.Donatiello@thelacledegroup.com]

Sent: Tuesday, March 29, 2016 12:16 PM **To:** Bylin, Carey <Bylin.Carey@epa.gov>

Cc: Hoeferlin, Craig R. < Craig. Hoeferlin@thelacledegroup.com>; Lauber, Mark D.

<Mark.Lauber@thelacledegroup.com>

Subject: FW: Final Logistics for EPA's Methane Challenge Launch Event

Importance: High

Carey,

Elina is unavailable. Can you address my question below?

We are double checking everything.

Please send me the name, title and the brief statement that will be read as our representative, Mr. Craig Hoeferlin walks onto the stage.

Thanks

Steve

Steve Donatiello, P.E.

Environmental Engineer III

Laclede Gas Company

Environmental Compliance

5th Floor

700 Market Street ***I have a new address. ***

St. Louis, MO 63101

steven.donatiello@TheLacledeGroup.com

314-658-5541

314-307-5948 (cell) ***I have a new cell phone number.***

314-535-9414 (fax)



From: Elina Bouloubasis [mailto:Elina.Bouloubasis@erg.com]

Sent: Friday, March 25, 2016 3:18 PM

Cc: Bylin, Carey

Subject: Final Logistics for EPA's Methane Challenge Launch Event

Hi all,

Thank you again for participating in the Methane Challenge Launch Event next Wednesday, March 30. We look forward to seeing you there! Attached is the **final agenda**. Please note, there has been a slight time shift and the event now starts at 10:15 am; however, we're still encouraging partner representatives to arrive at 10:00 am to address logistics. In addition, there will be an informal opportunity from 12:30 to 1:30 pm for partners to discuss the Methane Challenge with EPA representatives—we hope you can attend! (The location will be announced at the Launch Event.)

Please feel free to contact Carey Bylin (202-343-9669 or bylin.carey@epa.gov) with any questions about the Methane Challenge Partnership and contact me (703-373-0149 or elina.bouloubasis@erg.com) with any questions about the launch event.

Sincerely,

Elina Bouloubasis

ERG - Contractor Support to the

EPA's Methane Challenge Program

To: McDonald, Andy[Andy.McDonald@mdu.com]

From: Bylin, Carey

Sent: Mon 3/28/2016 8:39:58 PM

Subject: Your Call

Hi Andy,

Sorry I didn't call back this afternoon. Today is my last day in the office before the Methane Challenge launch and time got away from me. I will plan to call you tomorrow to go over your questions.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460

To: Frank Mack (Services - 6)[frank.mack@dom.com]

Cc: Anand Yegnan (Services - 6)[Anand.Yegnan@dom.com]

From: Bylin, Carey

Sent: Mon 3/28/2016 8:32:24 PM

Subject: RE: Dominion Transmission Inc. - Partnership Agreement for Methane Challenge & Other

Information

Hi Frank,

Here is Isabel's e-mail: DeLuca.Isabel@epa.gov

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

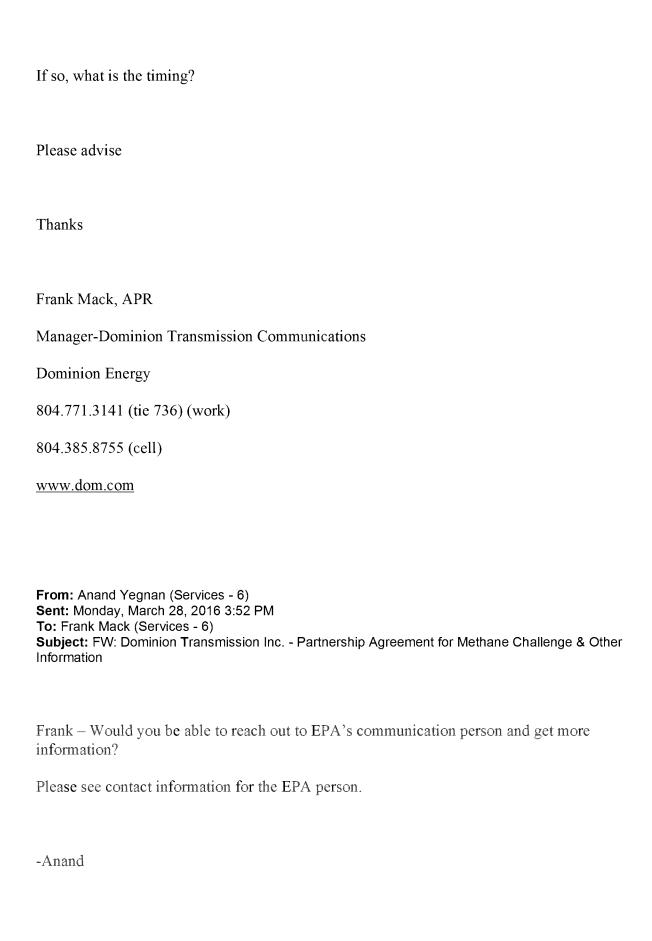
1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Frank Mack (Services - 6) [mailto:frank.mack@dom.com] Sent: Monday, March 28, 2016 4:31 PM To: Bylin, Carey <Bylin.Carey@epa.gov> Cc: Anand Yegnan (Services - 6) < Anand. Yegnan@dom.com> Subject: RE: Dominion Transmission Inc. - Partnership Agreement for Methane Challenge & Other Information Carey, Please provide the correct email address for Isabel as what I created bounced back. Thanks Frank From: Frank Mack (Services - 6) Sent: Monday, March 28, 2016 4:29 PM To: 'isabel.DeLuca@epa.gov' Cc: 'Bylin.Carey@epa.gov'; Anand Yegnan (Services - 6) Subject: FW: Dominion Transmission Inc. - Partnership Agreement for Methane Challenge & Other Information Isabel, I spoke with Anand who said I should follow up with you to see if the EAP is planning to issue a news release announcing the Natural Gas STAR Methane Challenge Program?



From: Bylin, Carey [mailto:Bylin.Carey@epa.gov]

Sent: Monday, March 28, 2016 3:49 PM

To: Anand Yegnan (Services - 6)

Cc: DeLuca, Isabel

Subject: RE: Dominion Transmission Inc. - Partnership Agreement for Methane Challenge & Other

Information

Hi Anand,

Our communications contact is Isabel Deluca, who is cc'd on this e-mail.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Anand Yegnan (Services - 6) [mailto:Anand.Yegnan@dom.com]

Sent: Monday, March 28, 2016 3:45 PM **To:** Bylin, Carey < Bylin. Carey@epa.gov >

Subject: FW: Dominion Transmission Inc. - Partnership Agreement for Methane Challenge &

Other Information

Hi Carey – Our media relations folks would like to know if EPA was planning on doing a media release of the Methane Challenge announcement. Is there a media relations person at EPA that I can connect with our media person? Please advise.

Thank you.

-Anand

From: Anand Yegnan (Services - 6)
Sent: Monday, March 28, 2016 12:08 PM

To: 'Bylin, Carey'

Cc: 'Elina Bouloubasis'; Pryor, Justin; Pamela Faggert (Services - 6)

Subject: Dominion Transmission Inc. - Partnership Agreement for Methane Challenge & Other

Information

Hello Carey -

Attached please find Dominion Transmission Inc.'s partnership agreement for the Methane Challenge Program.

Also enclosed is the bio for Dominion.

Dominion will be represented by:

Jeff Murphy

Title: Vice President and General Manager – Dominion East Ohio

Contact Information: jeff.murphy@dom.com

Office: (216) 736-6376

Contact information for person coordinating the company's participation in Methane Challenge (as we have two separate partnership agreements with different company representatives):

Anand Yegnan

Manager – Environmental Regulations.

Anand.yegnan@dom.com

(804) 273-3893

Dominion website Link: www.dom.com

Dominion Bio for introduction at the Launch event is below:

Dominion's distribution companies — Dominion East Ohio and Dominion Hope — operate more than 22,000 miles of natural gas pipeline and serve 1.3 million customers in Ohio and West Virginia. Dominion Transmission's system operates 7,800 miles of interstate pipeline in six states and one of the largest natural gas storage systems in the U.S.

Dominion's distribution companies will implement a continuous program to measure, track and report methane reductions obtained by annually replacing well over a hundred miles of cast iron and unprotected or ineffectively coated-steel pipelines on mains and service lines.

Dominion Transmission will proactively reduce significant methane emissions by enhancing its ongoing pipeline blow-down reduction efforts used during maintenance activities.

Participation in this program is consistent with Dominion's commitment to achieving sustainable environmental improvements while at the same time operating our businesses in a safe and reliable manner. We recommend that Dominion be listed as the following on the Methane Challenge website: **Distribution Segment**: Dominion Distribution – Dominion East Ohio & Dominion Hope Transmission Segment: Dominion Transmission Inc. Please let me know if you have any questions. Please confirm that you have received this information – as I know you are swamped with planning for the Methane Challenge event. Thank you. Regards, Anand Yegnan From: Bylin, Carey Sent: Wednesday, March 23, 2016 4:44 PM To: 'Anand Yegnan (Services - 6)' < <u>Anand Yegnan@dom.com</u>> Cc: 'Elina Bouloubasis' < Elina Bouloubasis@erg.com>; Pryor, Justin < Pryor.Justin@epa.gov> Subject: Methane Challenge Hello Anand.

Good talking to you just now. I apologize that you did not receive our e-mail last week – attached below is the content for your reference.

As mentioned, please reply stating your intention to join as a founding partner and indicating anticipated timeframes for sending the signed Partnership Agreement(s) and remaining information, as per the message below.

We look forward to working with you on this!

On behalf of the U.S. Environmental Protection Agency (EPA), I am pleased to hear of your interest in joining the Natural Gas STAR Methane Challenge Program as a founding partner. We will be officially launching this new program at the Global Methane Forum (GMF) at 10:00am on March 30, 2016 in Washington, D.C.

The launch event will be hosted by Janet McCabe, EPA's Acting Assistant Administrator for Air and Radiation. If you confirm your participation as a founding partner, we encourage you to attend this exciting event. We will recognize your company even if you are not able to participate in person. Please be aware of the following next steps:

- By March 23, please contact us (see contact information below) to confirm that you will be joining as a founding partner, and provide your signed Partnership Agreement.
- o Provide us a short bio (approximately 75 words) describing your company, your commitments, and highlighting reasons for becoming a Methane Challenge partner.
- O If your company plans to attend the Launch Event, provide the name, title, and contact information of the person who will be representing your company at the event and, if different, the contact information for the individual coordinating your company's participation at the event.
- Also, by March 23, please provide a link to your company's website as well as the specific way your company should be listed on the Methane Challenge Program website.
- Be sure to register for the GMF as soon as possible (http://globalmethane.org/forum/).

Please send the above information to myself and Elina Bouloubasis (<u>elina.bouloubasis@erg.com</u>). Once we receive confirmation of your participation, we will provide more specific details about the launch event agenda, which will include recognition of each partner and individual and group photos. Please note that due to time constraints, we do not anticipate that partner companies will be able to give individual remarks at the event.

As a new Methane Challenge Program partner, there are a few next steps to be aware of. Within six months after joining the Program, each partner must develop an Implementation Plan to provide details on their planned participation, such as anticipated rate of progress, key milestones, and other relevant context. See the following Guidelines document for more information about how to develop an Implementation Plan: http://www3.epa.gov/gasstar/documents/MC IP Guidelines Final.pdf.

We will also be working with partners as we develop the Program's reporting system, and will be seeking input and feedback in the coming months. Finally, in an effort to further highlight our partners' accomplishments, we aim to work with partners to develop "Fact Sheets" that cover notable historical actions taken in advance of the Methane Challenge Program in efforts to mitigate methane emissions.

We encourage you to attend the full GMF event that will offer high-level plenary sessions on cross-cutting issues such as project financing, joint Global Methane Initiative (GMI)-Climate & Clean Air Coalition (CCAC) discussions on projects and policy, and ample opportunities for networking with methane experts in the public and private sectors from around the world. A draft agenda is available at http://globalmethane.org/forum/. We hope you are able to attend and participate in the sessions.

Please feel free to contact me or Justin Pryor (202-343-9258 or pryor.justin@epa.gov) with any questions you may have about the Methane Challenge Partnership. Please contact Elina Bouloubasis (703-373-0149 or elina.bouloubasis@erg.com) with any questions about the launch event. Thank you again for your support of the Methane Challenge Program and we hope to see you at the launch event in Washington, D.C.

Sincerely,

Ms. Carey Bylin

U.S. Environmental Protection Agency

202-343-9669

bylin.carey@epa.gov

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460

To: Anand Yegnan (Services - 6)[Anand.Yegnan@dom.com]

Cc: DeLuca, lsabel[DeLuca.lsabel@epa.gov]

From: Bylin, Carey

Sent: Mon 3/28/2016 7:48:30 PM

Subject: RE: Dominion Transmission Inc. - Partnership Agreement for Methane Challenge & Other

Information

Hi Anand,

Our communications contact is Isabel Deluca, who is cc'd on this e-mail.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Anand Yegnan (Services - 6) [mailto:Anand.Yegnan@dom.com]

Sent: Monday, March 28, 2016 3:45 PM **To:** Bylin, Carey Sylin.Carey@epa.gov

Subject: FW: Dominion Transmission Inc. - Partnership Agreement for Methane Challenge &

Other Information

Hi Carey – Our media relations folks would like to know if EPA was planning on doing a media release of the Methane Challenge announcement. Is there a media relations person at EPA that I can connect with our media person? Please advise.

Thank you.

-Anand

From: Anand Yegnan (Services - 6)
Sent: Monday, March 28, 2016 12:08 PM

To: 'Bylin, Carey'

Cc: 'Elina Bouloubasis'; Pryor, Justin; Pamela Faggert (Services - 6)

Subject: Dominion Transmission Inc. - Partnership Agreement for Methane Challenge & Other

Information

Hello Carey -

Attached please find Dominion Transmission Inc.'s partnership agreement for the Methane Challenge Program.

Also enclosed is the bio for Dominion.

Dominion will be represented by:

Jeff Murphy

Title: Vice President and General Manager – Dominion East Ohio

Contact Information: jeff.murphy@dom.com

Office: (216) 736-6376

Contact information for person coordinating the company's participation in Methane Challenge (as we have two separate partnership agreements with different company representatives):

Anand Yegnan

Manager – Environmental Regulations.

Anand.yegnan@dom.com

(804) 273-3893

Dominion website Link: www.dom.com

Dominion Bio for introduction at the Launch event is below:

Dominion's distribution companies — Dominion East Ohio and Dominion Hope — operate more than 22,000 miles of natural gas pipeline and serve 1.3 million customers in Ohio and West Virginia. Dominion Transmission's system operates 7,800 miles of interstate pipeline in six states and one of the largest natural gas storage systems in the U.S.

Dominion's distribution companies will implement a continuous program to measure, track and report methane reductions obtained by annually replacing well over a hundred miles of cast iron and unprotected or ineffectively coated-steel pipelines on mains and service lines.

Dominion Transmission will proactively reduce significant methane emissions by enhancing its ongoing pipeline blow-down reduction efforts used during maintenance activities.

Participation in this program is consistent with Dominion's commitment to achieving sustainable environmental improvements while at the same time operating our businesses in a safe and reliable manner.

We recommend that Dominion be listed as the following on the Methane Challenge website: Distribution Segment: Dominion Distribution – Dominion East Ohio & Dominion Hope Transmission Segment: Dominion Transmission Inc. Please let me know if you have any questions. Please confirm that you have received this information – as I know you are swamped with planning for the Methane Challenge event. Thank you. Regards, Anand Yegnan From: Bylin, Carey Sent: Wednesday, March 23, 2016 4:44 PM To: 'Anand Yegnan (Services - 6)' < <u>Anand Yegnan@dom.com</u>> Cc: 'Elina Bouloubasis' <Elina.Bouloubasis@erg.com>; Pryor, Justin <Pryor.Justin@epa.gov> Subject: Methane Challenge Hello Anand, Good talking to you just now. I apologize that you did not receive our e-mail last week – attached below is the content for your reference.

As mentioned, please reply stating your intention to join as a founding partner and indicating anticipated timeframes for sending the signed Partnership Agreement(s) and remaining information, as per the message below.

We look forward to working with you on this!

On behalf of the U.S. Environmental Protection Agency (EPA), I am pleased to hear of your interest in joining the Natural Gas STAR Methane Challenge Program as a founding partner. We will be officially launching this new program at the Global Methane Forum (GMF) at 10:00am on March 30, 2016 in Washington, D.C.

The launch event will be hosted by Janet McCabe, EPA's Acting Assistant Administrator for Air and Radiation. If you confirm your participation as a founding partner, we encourage you to attend this exciting event. We will recognize your company even if you are not able to participate in person. Please be aware of the following next steps:

- By March 23, please contact us (see contact information below) to confirm that you will be joining as a founding partner, and provide your signed Partnership Agreement.
- o Provide us a short bio (approximately 75 words) describing your company, your commitments, and highlighting reasons for becoming a Methane Challenge partner.
- o If your company plans to attend the Launch Event, provide the name, title, and contact information of the person who will be representing your company at the event and, if different, the contact information for the individual coordinating your company's participation at the event.
- Also, by March 23, please provide a link to your company's website as well as the specific way your company should be listed on the Methane Challenge Program website.
- Be sure to register for the GMF as soon as possible (http://globalmethane.org/forum/).

Please send the above information to myself and Elina Bouloubasis

(<u>elina.bouloubasis@erg.com</u>). Once we receive confirmation of your participation, we will provide more specific details about the launch event agenda, which will include recognition of each partner and individual and group photos. Please note that due to time constraints, we do not anticipate that partner companies will be able to give individual remarks at the event.

As a new Methane Challenge Program partner, there are a few next steps to be aware of. Within six months after joining the Program, each partner must develop an Implementation Plan to provide details on their planned participation, such as anticipated rate of progress, key milestones, and other relevant context. See the following Guidelines document for more information about how to develop an Implementation Plan:

http://www3.epa.gov/gasstar/documents/MC IP Guidelines Final.pdf.

We will also be working with partners as we develop the Program's reporting system, and will be seeking input and feedback in the coming months. Finally, in an effort to further highlight our partners' accomplishments, we aim to work with partners to develop "Fact Sheets" that cover notable historical actions taken in advance of the Methane Challenge Program in efforts to mitigate methane emissions.

We encourage you to attend the full GMF event that will offer high-level plenary sessions on cross-cutting issues such as project financing, joint Global Methane Initiative (GMI)-Climate & Clean Air Coalition (CCAC) discussions on projects and policy, and ample opportunities for networking with methane experts in the public and private sectors from around the world. A draft agenda is available at http://globalmethane.org/forum/. We hope you are able to attend and participate in the sessions.

Please feel free to contact me or Justin Pryor (202-343-9258 or pryor.justin@epa.gov) with any questions you may have about the Methane Challenge Partnership. Please contact Elina Bouloubasis (703-373-0149 or elina.bouloubasis@erg.com) with any questions about the launch event. Thank you again for your support of the Methane Challenge Program and we hope to see you at the launch event in Washington, D.C.

Sincerely,

Ms. Carey Bylin

U.S. Environmental Protection Agency

202-343-9669

bylin.carey@epa.gov

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



To: Miller, Glenn D.[glenn.miller@centerpointenergy.com]

From: Bylin, Carey

Sent: Mon 3/28/2016 6:30:29 PM

Subject: RE: EPA Natural Gas Star Methane Challenge Program Commitment

Perfect, thank you. I will make the change on the Partnership Agreement. Look forward to seeing you later this week.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Miller, Glenn D. [mailto:glenn.miller@centerpointenergy.com]

Sent: Friday, March 25, 2016 5:57 PM **To:** Bylin, Carey <Bylin.Carey@epa.gov>

Subject: Re: EPA Natural Gas Star Methane Challenge Program Commitment

Sorry. 2017

Glenn D Miller

CenterPoint Energy

Mgr. Environmental Programs

Natural Gas Operations

O 612 861-8670

C 612 910-1299

On Mar 25, 2016, at 11:45 AM, Bylin, Carey < Bylin. Carey@epa.gov > wrote:

Hello Glenn,

Thank you very much for this. We are in the process of countersigning the Partnership Agreements and will send you a fully executed version shortly.

I wanted to follow up on an item that we will need to correct on the Partnership Agreement. The Achievement Year is listed as "2032" for Mains. The Achievement Year must be within 5 years of the Start Date and it signifies the year you anticipate meeting your specified annual Mains replacement/rehabilitation rate (5%), which will be maintained on an on-going basis. I'm assuming that perhaps 2032 is when you anticipate completing your Mains replacement/rehabilitation? In any case, the Achievement Year must be within 5 years of the Start Date (e.g. between now and 2021). Can you provide a revised Achievement Year?

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460

<image001.gif>

From: Miller, Glenn D. [mailto:glenn.miller@centerpointenergy.com]

Sent: Wednesday, March 23, 2016 3:00 PM

To: Bylin, Carey <Bylin.Carey@epa.gov>; elina.bouloubasis@erg.com

Cc: Pam Lacey (PLacey@aga.org) < PLacey@aga.org>; Lanasa, Christopher T

<<u>chris.lanasa@centerpointenergy.com</u>>; Bye, Richard T

< Richard. Bye@centerpointenergy.com >

Subject: EPA Natural Gas Star Methane Challenge Program Commitment

Dear Ms. Bylin,

As I informed you earlier, CenterPoint Energy is interested in becoming a charter member of the EPA Natural Gas Star Methane Challenge Program. Please find attached the signed Partnership Agreement stating our commitment.

CenterPoint Energy, Inc., headquartered in Houston, Texas, is a domestic energy delivery company that includes electric transmission & distribution, natural gas distribution and energy services operations. With more than 7,400 employees, CenterPoint Energy and its predecessor companies have been in business for more than 140 years. As a long time member (1999) of the EPA Natural Gas Star Program, we found this program an important tool to move forward with system improvements to not only ensure system safety but to minimize methane emissions. With this enhanced methane challenge, CenterPoint Energy intends to participate at the Best Management Practice (BMP) level with Cast Iron and Bare Steel replacement as the selected BMP method.

I will be participating in the upcoming Global Methane Launch Event next week along with CenterPoint Energy employee Chris LaNasa. My contact information is below.

The link to ConterPoint Energy's website is: <u>WWW.CenterPointEnergy.com</u>

Glenn D Miller

CenterPoint Energy

Mgr. Environmental Programs

Natural Gas Operations

O 612 861-8670

C 612 910-1299

**** This email is from an external sender outside of the CenterPoint Energy network. Be cautious about clicking links or opening attachments from unknown sources. *****

To: Brooke Sinclair[Brooke.Sinclair@kub.org]
Cc: Michael Rose[Michael.Rose@kub.org]

From: Bylin, Carey

Sent: Mon 3/28/2016 6:25:21 PM

Subject: RE: Methane Challenge Follow-Up

Great, thank you!

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Brooke Sinclair [mailto:Brooke.Sinclair@kub.org]

Sent: Monday, March 28, 2016 2:22 PM
To: Bylin, Carey <Bylin.Carey@epa.gov>
Cc: Michael Rose <Michael.Rose@kub.org>
Subject: Re: Methane Challenge Follow-Up

I concur. Thank you.

Brooke

On Mar 28, 2016, at 2:06 PM, Bylin, Carey < Bylin.Carey@epa.gov > wrote:

Hi Brooke,

Per our conversation on Friday, I will hand-write the following revisions to the Partnership Agreement. Please reply with your concurrence so we can have written confirmation in our file. Thank you for your help.

Mains Start Date: 3/30/2016

Mains Replacement Rate: 6.5%

Excavation Damages Start Date: 3/30/2016

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460

<image001.gif>

To: Keeble, Gwen[keebleg@oru.com]

From: Bylin, Carey

Sent: Mon 3/28/2016 6:22:45 PM

Subject: RE: Additional information pertaining to the Natural Gas STAR Methane Challenge Program --

Orange and Rockland Utilities, Inc. <External Sender>

Hi Gwen,

I hope you had a good weekend. Just checking in on this, as I'd like to return the signed Agreement to you today. Please advise on start date. Thank you!

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Keeble, Gwen [mailto:keebleg@oru.com]

Sent: Friday, March 25, 2016 10:52 AM **To:** Bylin, Carey <Bylin.Carey@epa.gov>

Subject: RE: Additional information pertaining to the Natural Gas STAR Methane Challenge

Program -- Orange and Rockland Utilities, Inc. <External Sender>

Great thank you! Let me check with our Gas folks to confirm the start date they'd like to go with. Thank you!

From: Bylin, Carey [mailto:Bylin.Carey@epa.gov]

Sent: Friday, March 25, 2016 10:45 AM

To: Keeble, Gwen

Subject: RE: Additional information pertaining to the Natural Gas STAR Methane Challenge Program --

Orange and Rockland Utilities, Inc. <External Sender>

Hi Gwen,

Thank you for getting in touch. Yes, we received your Partnership Agreement and will get a countersigned version to you today or Monday.

The Start Date is listed as "2016" for Mains and Services. The Start Date is supposed to be a specific date that is within six months of joining the Program, so the latest it can be is September 30, 2016. Are you okay with our recognizing your Start Date as 9/30/16? Or you can choose another date between the launch and that point. The significance of the start date is that is when companies need to start collecting the data they need to track commitments (though for founding partners comprehensive reporting will start for the 2017 calendar year).

Please advise what you would like your start date to be and I will make the needed change to the

Partnership Agreement.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Keeble, Gwen [mailto:keebleg@oru.com]

Sent: Friday, March 25, 2016 10:19 AM

To: 'bylin.carey@epa.gov'

Subject: RE: Additional information pertaining to the Natural Gas STAR Methane Challenge

Program -- Orange and Rockland Utilities, Inc.

Good morning – I am confirming you have received our agreement document and checking to see if you need anything further. I spoke with Bill Slade this morning who suggested I might want to check in to be sure our information was received, and the start date is appropriate.

Thanks!

Gwen Keeble

845-577-3534

917-418-5764

From: Keeble, Gwen

Sent: Wednesday, March 23, 2016 3:17 PM

To: 'elina.bouloubasis@erg.com'; 'bylin.carey@epa.gov'

Subject: FW: Additional information pertaining to the Natural Gas STAR Methane Challenge Program --

Orange and Rockland Utilities, Inc.

Today, Orange and Rockland Utilities, Inc. filed its signed Methane Challenge Partnership Agreement via email, with a hard copy sent overnight. Below please see the additional requested information.

Orange and Rockland will be represented at the forum by our colleagues from Con Ed Co. of NY, Mr. Kyle Kimball, VP of Government Relations, and Mr. Bill Slade the Emerging Issues Manager. Please feel free to reach out to me with any questions or concerns.

Gwen Keeble

Section Manager – Environmental Services

Orange and Rockland Utilities, Inc.

845-577-3534

917-418-5764

keebleg@oru.com

See below for additional requested information from Orange and Rockland Utilities.

----Original Message----

From: U.S. EPA's Natural Gas STAR Program [mailto:gasstar@erg.com]

Sent: Wednesday, March 16, 2016 5:15 PM

To: Slade, William

Subject: Thank You For Your Interest in the Natural Gas STAR Methane Challenge Program

<External Sender>

EXTERNAL SENDER. Do not click on links if sender is unknown and never provide user ID or password.

Dear Bill:

On behalf of the U.S. Environmental Protection Agency (EPA), I am pleased to hear of your interest in joining the Natural Gas STAR Methane Challenge Program as a founding partner. We will be officially launching this new program at the Global Methane Forum (GMF) at 10:00am on March 30, 2016 in Washington, D.C.

The launch event will be hosted by Janet McCabe, EPA's Acting Assistant Administrator for Air and Radiation. If you confirm your participation as a founding partner, we encourage you to attend this exciting event. We will recognize your company even if you are not able to participate in person. Please be aware of the following next steps:

-By March 23, please contact us (see contact information below) to confirm that you will be joining as a founding partner, and provide your signed Partnership Agreement.

The Orange and Rockland partnership agreement was emailed today, and sent via hard copy today.

o Provide us a short bio (approximately 75 words) describing your company, your commitments, and highlighting reasons for becoming a Methane Challenge partner.

Orange and Rockland has participated in the Natural Gas STAR program since 1994, and welcomes the opportunity to join the Methane Challenge. Orange and Rockland distributes natural gas to 133,267 customers in Orange and Rockland counties in New York.

Last year the Company made significant improvements in reducing the total leak backlog, replacing 17 miles of leak prone pipe in each of the past three years. Our goal with this Partnership Agreement is to replace 6.5% of our cast iron and unprotected (bare) steel mains by the end of 2016.

o If your company plans to attend the Launch Event, provide the name, title, and contact information of the person who will be representing your company at the event and, if different, the contact information for the individual coordinating your company's participation at the event.

Orange and Rockland will be represented by our colleagues at Con Ed Co. of NY:

Mr. Kyle Kimball

Vice President, Government Relations

Consolidated Edison Company of New York

4 Irving Place
New York, NY 10003
kimballk@coned.com
212-460-2706
Coordinating:
Mr. William V. Slade
(b)(6) personal privacy (cell)
sladew@coned.com
-Also, by March 23, please provide a link to your company's website as well as the specific way your company should be listed on the Methane Challenge Program website.
Orange and Rockland Utilities, Inc.
www.oru.com
-Be sure to register for the GMF as soon as possible (http://globalmethane.org/forum/).
Both Kyle Kimball and Bill Slade are registered for the Global Methane Forum
Please send the above information to myself and Elina Bouloubasis (elina.bouloubasis@erg.com). Once we receive confirmation of your participation, we will provide more specific details about the launch event agenda, which will include recognition of each partner and individual and group photos. Please note that due to time constraints, we do not anticipate that partner companies will be able to give individual remarks at the event.

As a new Methane Challenge Program partner, there are a few next steps to be aware of. Within six months after joining the Program, each partner must develop an Implementation Plan to provide details on their planned participation, such as anticipated rate of progress, key milestones, and other relevant context. See the following Guidelines document for more information about how to develop an Implementation Plan: http://www3.epa.gov/gasstar/documents/MC IP Guidelines Final.pdf.

We will also be working with partners as we develop the Program's reporting system, and will be seeking input and feedback in the coming months. Finally, in an effort to further highlight our partners' accomplishments, we aim to work with partners to develop "Fact Sheets" that cover notable historical actions taken in advance of the Methane Challenge Program in efforts to mitigate methane emissions.

We encourage you to attend the full GMF event that will offer high-level plenary sessions on cross-cutting issues such as project financing, joint Global Methane Initiative (GMI)-Climate & Clean Air Coalition (CCAC) discussions on projects and policy, and ample opportunities for networking with methane experts in the public and private sectors from around the world. A draft agenda is available at http://globalmethane.org/forum/. We hope you are able to attend and participate in the sessions.

Please feel free to contact me or Justin Pryor (202-343-9258 or pryor.justin@epa.gov) with any questions you may have about the Methane Challenge Partnership. Please contact Elina Bouloubasis (703-373-0149 or elina.bouloubasis@erg.com) with any questions about the launch event. Thank you again for your support of the Methane Challenge Program and we hope to see you at the launch event in Washington, D.C.

Sincerely,

Ms. Carey Bylin

U.S. Environmental Protection Agency

202-343-9669

bylin.carey@epa.gov

To: brooke.sinclair@kub.org[brooke.sinclair@kub.org]

From: Bylin, Carey

Sent: Mon 3/28/2016 6:04:57 PM Subject: Methane Challenge Follow-Up

Hi Brooke,

Per our conversation on Friday, I will hand-write the following revisions to the Partnership Agreement. Please reply with your concurrence so we can have written confirmation in our file. Thank you for your help.

Mains Start Date: 3/30/2016

Mains Replacement Rate: 6.5%

Excavation Damages Start Date: 3/30/2016

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



To: From: Sent: Subject: GMF Laur	Brian Jones[bjones@mjbradley.com] Bylin, Carey Mon 3/28/2016 10:55:27 AM Final Logistics for EPA's Methane Challenge Launch Event ach Event Detailed Agenda 3-24-16-For Partners.docx
Hi Brian,	
Wednesd event nov represents opportuni	u are doing well and had a good weekend. Please find attached the final agenda for ay's launch, including logistical details. Note there has been a slight time shift and the v starts at 10:15 am; however, we're still encouraging speakers and partner atives to arrive at 10:00 am to address logistics. In addition, there will be an informal sty from 12:30 to 1:30 pm for partners to discuss the Methane Challenge with EPA atives—we hope you can attend! (The location will be announced at the Launch Event.)
Please let Wednesd	me know if you need any other information. Look forward to seeing you on ay.
Best,	
Carey	

Methane Challenge Program Launch Event

<u>When</u>: Wednesday, March 30, 2016, 10:15-11:00AM

Global Methane Forum Plenary Session, immediately following Break

*The Launch Event will now follow a break, and Partner companies are requested to come to the Methane Challenge reserved seating area of the

Plenary Room at 10:00am to discuss logistics.*

Where: Georgetown University Hotel and Conference Center,

Washington, DC

Agenda:

Sarah Dunham will act as Master of Ceremonies and introduce Janet McCabe, Ralph LaRossa, and Robert LaCount.

10:15 AM -10:20 AM Welcome remarks

Janet McCabe, Acting Assistant Administrator for the Office of Air and Radiation,

US EPA

10:20 AM -10:30 AM Brief Remarks from Supportive Industry Associations

American Gas Association (AGA)

Ralph LaRossa, Chairman of the Board, AGA, President and Chief Operating Officer, Public Service Electric and Gas Company (a founding partner)

Downstream Initiative

Robert LaCount, Executive Vice President, M.J. Bradley & Associates

10:30 AM - 10:50 AM Introduce Program Partners (Sarah Dunham)

Introduce partners in alphabetical order. For each partner, introduce company representative (only one representative per company) and read brief partner statements (~30 seconds each).

While partner statement is read, partner representative walks on stage, shakes hands with Janet McCabe [pause for individual photo], and moves toward back of stage. All partners will remain on stage to facilitate group photo.

If company does not have a representative at event, bio will just be read.

10:50 AM – 10:55 AM Closing Remarks (Janet McCabe)

Indicate that we will do a group photo.

10:55 AM - 11:00 AM Group Photo

Group (all companies) with Janet McCabe
Other Group Photos (as time allows)

Slade, William[SLADEW@coned.com] To: Pryor, Justin[Pryor.Justin@epa.gov]; elina.bouloubasis@erg.com[elina.bouloubasis@erg.com] Cc: From: Bylin, Carey Sent: Sat 3/26/2016 1:43:15 AM Subject: Re: Consolidated Edison Company of New York Methane Challenge Partnership Agreement <External Sender> Hi Bill, Okay, I will swap that out and send you the signed copy on Monday. Thank you! Carey Bylin On Mar 25, 2016, at 12:47 PM, Slade, William <<u>SLADEW@coned.com</u>> wrote: Good afternoon - to keep your paperwork "clean", I send along a revised first page to our Partnership Agreement. Thank you. Bill Slade William V. Slade Project Specialist – Emerging Issues Consolidated Edison of New York 4 Irving Place New York, NY 10003 212-460-4825

From: Bylin, Carey [mailto:Bylin.Carey@epa.gov]

Sent: Friday, March 25, 2016 9:47 AM

To: Slade, William; Pryor, Justin; elina.bouloubasis@erg.com

Subject: RE: Consolidated Edison Company of New York Methane Challenge Partnership

Agreement < External Sender>

Hi Bill,

Thanks for the quick reply and concurrence. To be clear, you don't have to be at the designated rate (4%) until your achievement year, which I see as 2018. The significance of the start date is that it is the point at which companies should start collecting data related to their commitment (though as you point out, you will not have to report until your first full year of participation, 2017).

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460

<image001.gif>

From: Slade, William [mailto:SLADEW@coned.com]

Sent: Friday, March 25, 2016 9:38 AM

To: Bylin, Carey < Bylin. Carey@epa.gov>; Pryor, Justin < Pryor. Justin@epa.gov>;

elina.bouloubasis@erg.com

Subject: RE: Consolidated Edison Company of New York Methane Challenge Partnership

Agreement < External Sender>

Thanks Carey – your change is fine. The implementation plan will describe our proposed ramp-up. We will not be at 4% by the end of 2016, but by the time we submit our annual report at the end of 2017 we intend to be at the 45 level.

Thank you.

Bill Slade

William V. Slade

Project Specialist - Emerging Issues

Consolidated Edison of New York

4 Irving Place

New York, NY 10003

212-460-4825



From: Bylin, Carey [mailto:Bylin.Carey@epa.gov]

Sent: Friday, March 25, 2016 9:29 AM

To: Slade, William; Pryor, Justin; elina.bouloubasis@erg.com

Subject: RE: Consolidated Edison Company of New York Methane Challenge Partnership

Agreement < External Sender>

EXTERNAL SENDER. Do not click on links if sender is unknown and never provide user ID or password.

Hi Bill,

I am confirming that we do have it (and as an FYI we are not the source of AGA's list so not sure how the mix-up was introduced).

I was actually going to follow up with you about Con Ed's Partnership Agreement. The Start Date is listed as "2017" for Mains and Services. The Start Date is supposed to be a specific date that is within six months of joining the Program, so the latest it can be is September 30, 2016. Are you okay with our recognizing your Start Date as 9/30/16?

If that is okay I can plan to print the e-mail confirmation and attach as a note to your Partnership Agreement, or can make the change directly, on the Agreement, as you prefer.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460

<image001.gif>

From: Slade, William [mailto:SLADEW@coned.com]

Sent: Friday, March 25, 2016 9:16 AM

To: Bylin, Carey < <u>Bylin.Carey@epa.gov</u>>; Pryor, Justin < <u>Pryor.Justin@epa.gov</u>>;

elina.bouloubasis@erg.com

Subject: RE: Consolidated Edison Company of New York Methane Challenge Partnership

Agreement

Carey, Justin or Elina – good morning! Could one of you please verify receipt of our Partnership Agreement? AGA's list of participants does not include Consolidated Edison and I just would like to be certain that we are captured by your information. Our FedEx track shows that the paper copy was signed for by "M. Shimamura" on March 24th.

Thanks for any insight during this busy time in the schedule!

WV Slade

William V. Slade

Project Specialist – Emerging Issues

Consolidated Edison of New York

4 Irving Place

New York, NY 10003



212-460-4825

From: Slade, William

Sent: Tuesday, March 22, 2016 10:25 AM

To: bylin.carey@epa.gov; 'pryor.justin@epa.gov'; 'elina.bouloubasis@erg.com'

Cc: Yapchanyk, Stephen M.

Subject: Consolidated Edison Company of New York Methane Challenge Partnership Agreement

Good morning – I am pleased to submit the subject document, signaling that Con Edison will participate in the Methane Challenge as a founding partner. This document original will be delivered via overnight mail.

Con Edison intends to participate in the launch event. The information requested in your March 16th email will be forwarded shortly.

Please call me with any questions that may arise before the launch event

Bill Slade

William V. Slade

Project Specialist – Emerging Issues

Consolidated Edison of New York

4 Irving Place

New York, NY 10003

212-460-4825



<Con Edison of NY Partnership Agreement revised first page.pdf>

To: Chahbazpour, Donald[Donald.Chahbazpour@nationalgrid.com]

From: Bylin, Carey

Sent: Sat 3/26/2016 1:41:13 AM

Subject: Re: EXT || Thank You For Your Interest in the Natural Gas STAR Methane Challenge Program

Okay, great, thank you.

Carey Bylin

On Mar 25, 2016, at 1:17 PM, Chahbazpour, Donald < <u>Donald.Chahbazpour@nationalgrid.com</u>> wrote:

Hi Carey,

That works, i.e., hand-write 9/30/16 as our start date. Just a FYI, we are tracking that information currently and will have the ability to also report for the entire 2016 CY; that was my original intent.

Don

From: Bylin, Carey [mailto:Bylin.Carey@epa.gov]

Sent: Friday, March 25, 2016 12:59 PM **To:** Chahbazpour, Donald; 'Elina Bouloubasis'

Cc: Bennett, Thomas E.; Fleck, Susan; Medford, Ruth K.; Pryor, Justin

Subject: RE: EXT || Thank You For Your Interest in the Natural Gas STAR Methane Challenge

Program

Hi Don,

Thank you very much for this. We are in the process of countersigning the Partnership Agreements and will send you a fully executed version shortly.

I wanted to follow up on one small detail that we will need to correct on the Partnership Agreement. The Start Date is listed as "2016" for Mains and Services. The Start Date should be a specific date that is within six months of joining the Program, so the latest it can be is September 30, 2016. Are you okay with our recognizing your Start Date as 9/30/16? Or you can choose another date between March 30 and that point. The significance of the start date is that is when companies need to start collecting the data they need to track commitments (though for founding partners comprehensive reporting will start for the 2017 calendar year).

If you are okay with this, I will hand-write the revisions to the Partnership Agreement. Please reply with your concurrence with 9/30/16 or indicate your preferred date so we can have written confirmation in our file.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460

<image001.gif>

From: Chahbazpour, Donald [mailto:Donald.Chahbazpour@nationalgrid.com]

Sent: Wednesday, March 23, 2016 12:08 PM

To: Bylin, Carey <Bylin.Carey@epa.gov>; 'Elina Bouloubasis'

<Elina.Bouloubasis@erg.com>

Cc: Bennett, Thomas E. < Thomas.Bennett@nationalgrid.com >; Fleck, Susan

<<u>Susan.Fleck@nationalgrid.com</u>>; Medford, Ruth K. <<u>Ruth.Medford@nationalgrid.com</u>>;

Pryor, Justin < Pryor. Justin@epa.gov >

Subject: RE: EXT || Thank You For Your Interest in the Natural Gas STAR Methane

Challenge Program Importance: High

Carey and Elina,

National Grid is pleased to confirm that it will join EPA's Methane Challenge program as a founding partner. Attached please find the following two documents:

1. National Grid's signed partnership agreement.

2. Company bio for the event (I've also pasted it below).

Tom Bennett (CCed above), VP of Gas System Engineering, will represent National Grid at the event. I am also CCing Ruth Medford, Tom's Executive Assistant. Please provide her with the details of the launch event. Just a FYI, I will attend the conference as well.

Link to our company's website is https://www.nationalgridus.com

Please don't hesitate to contact me if you have any questions. Look forward to seeing you next week,

Don

Donald Chahbazpour Director, Climate Change Compliance nationalgrid One MetroTech Center, 14th Floor Brooklyn, NY 11201

Donald.Chahbazpour@nationalgrid.com

Tel: 929-324-4848 Mob: 201-310-2841

Company Bio for the Methane Challenge Launch Event

National Grid is an energy company that connects nearly 21 million people to vital energy

sources through its networks in New York, Massachusetts and Rhode Island. Through its U.S. Connect21 strategy, National Grid is transforming its electricity and natural gas networks to support the 21st century digital economy with smarter, cleaner and more resilient energy solutions. Connect21 is vital to our communities' long-term economic and environmental health and aligns with regulatory initiatives in the states it serves. Additionally, reducing methane emissions is an integral component of the company's overall climate change and sustainability strategy, and we are delighted to be a founding partner of the Methane Challenge Program.

----Original Message----

From: U.S. EPA's Natural Gas STAR Program [mailto:gasstar@erg.com]

Sent: Wednesday, March 16, 2016 5:15 PM

To: Chahbazpour, Donald

Subject: EXT || Thank You For Your Interest in the Natural Gas STAR Methane Challenge Program

Dear Don:

On behalf of the U.S. Environmental Protection Agency (EPA), I am pleased to hear of your interest in joining the Natural Gas STAR Methane Challenge Program as a founding partner. We will be officially launching this new program at the Global Methane Forum (GMF) at 10:00am on March 30, 2016 in Washington, D.C.

The launch event will be hosted by Janet McCabe, EPA's Acting Assistant Administrator for Air and Radiation. If you confirm your participation as a founding partner, we encourage you to attend this exciting event. We will recognize your company even if you are not able to participate in person. Please be aware of the following next steps:

- -By March 23, please contact us (see contact information below) to confirm that you will be joining as a founding partner, and provide your signed Partnership Agreement.
- o Provide us a short bio (approximately 75 words) describing your company, your commitments, and highlighting reasons for becoming a Methane Challenge partner.
- o If your company plans to attend the Launch Event, provide the name, title, and contact information of the person who will be representing your company at the event and, if different, the contact information for the individual coordinating your company?s participation at the event.
- -Also, by March 23, please provide a link to your company's website as well as the specific way your company should be listed on the Methane Challenge Program website.
- -Be sure to register for the GMF as soon as possible (http://globalmethane.org/forum/).

Please send the above information to myself and Elina Bouloubasis (elina.bouloubasis@erg.com). Once we receive confirmation of your participation, we will provide more specific details about the launch event agenda, which will include recognition of each partner and individual and group photos. Please note that due to time constraints, we do not anticipate that partner companies will be able to give individual remarks at the event.

As a new Methane Challenge Program partner, there are a few next steps to be aware of. Within six months after joining the Program, each partner must develop an Implementation Plan to provide details on their planned participation, such as anticipated rate of progress, key milestones, and other relevant context. See the following Guidelines document for more information about how to develop an Implementation Plan: http://www3.epa.gov/gasstar/documents/MC IP Guidelines Final.pdf.

We will also be working with partners as we develop the Program's reporting system, and will be seeking input and feedback in the coming months. Finally, in an effort to further highlight our partners' accomplishments, we aim to work with partners to develop "Fact Sheets" that cover notable historical actions taken in advance of the Methane Challenge Program in efforts to mitigate methane emissions.

We encourage you to attend the full GMF event that will offer high-level plenary sessions on cross-cutting issues such as project financing, joint Global Methane Initiative (GMI)-Climate & Clean Air Coalition (CCAC) discussions on projects and policy, and ample opportunities for networking with methane experts in the public and private sectors from around the world. A draft agenda is available at http://globalmethane.org/forum/. We hope you are able to attend and participate in the sessions.

Please feel free to contact me or Justin Pryor (202-343-9258 or pryor.justin@epa.gov) with any questions you may have about the Methane Challenge Partnership. Please contact Elina Bouloubasis (703-373-0149 or elina.bouloubasis@erg.com) with any questions about the launch event. Thank you again for your support of the Methane Challenge Program and we hope to see you at the launch event in Washington, D.C.

Sincerely,

Ms. Carey Bylin U.S. Environmental Protection Agency 202-343-9669 bylin.carey@epa.gov

This e-mail, and any attachments are strictly confidential and intended for the addressee(s) only. The content may also contain legal, professional or other privileged information. If you are not the intended recipient, please notify the sender immediately and then delete the e-mail and any attachments. You should not disclose, copy or take any action in reliance on this transmission.

You may report the matter by contacting us via our <u>UK Contacts Page</u> or our <u>US Contacts Page</u> (accessed by clicking on the appropriate link)

Please ensure you have adequate virus protection before you open or detach any documents from this transmission. National Grid plc and its affiliates do not accept any liability for viruses. An e-mail reply to this address may be subject to monitoring for operational reasons or lawful business practices.

For the registered information on the UK operating companies within the National Grid group please use the attached link:

http://www.nationalgrid.com/corporate/legal/registeredoffices.htm

This e-mail, and any attachments are strictly confidential and intended for the addressee(s) only. The content may also contain legal, professional or other privileged information. If you are not the intended recipient, please notify the sender immediately and then delete the e-mail and any attachments. You should not disclose, copy or take any action in reliance on this transmission.

You may report the matter by contacting us via our <u>UK Contacts Page</u> or our <u>US Contacts Page</u> (accessed by clicking on the appropriate link)

Please ensure you have adequate virus protection before you open or detach any documents from this transmission. National Grid plc and its affiliates do not accept any liability for viruses. An e-mail reply to this address may be subject to monitoring for operational reasons or lawful business practices.

For the registered information on the UK operating companies within the National Grid group please use the attached link:

http://www.nationalgrid.com/corporate/legal/registeredoffices.htm

To: Lacey, Pam[PLacey@aga.org] Pryor, Justin[Pryor.Justin@epa.gov]; elina.bouloubasis@erg.com[elina.bouloubasis@erg.com] Cc: From: Bylin, Carey Fri 3/25/2016 9:00:05 PM Sent: Subject: RE: logistics for launch event and AGA Chairman Hi Pam, Okay, just keep us posted on PSEG. Thanks for tracking the names and sharing with us. I'm sorry but we are "flat out" as we prepare for this event and are not going to be able to cross-walk this list. I'm sure it's fine! Have a great weekend. Ms. Carey Bylin International Programs Leader, Oil and Gas Natural Gas STAR Program Global Methane Initiative U.S. Environmental Protection Agency Phone: +1-202-343-9669 Visiting Address & Private Deliveries (courier, FedEx etc.) 1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004 U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Lacey, Pam [mailto:PLacey@aga.org]

Sent: Friday, March 25, 2016 4:42 PM **To:** Bylin, Carey Sylin.Carey@epa.gov

Cc: Pryor, Justin <Pryor.Justin@epa.gov>; elina.bouloubasis@erg.com

Subject: RE: logistics for launch event and AGA Chairman

Hi Carey – Thank you for sending the details. I think this will work. Just need to check with PSEG because they were thinking of also sending an Environmental Director to be the PSEG rep, since Mr. LaRossa will be wearing his AGA Board Chairman hat. I'll see what they want to do.

Also, attached is my list of the 32 companies that have now told me they submitted a Partnership Agreement by the deadline, along with names and contact information. People who plan to attend the event are in boldface, and the official company rep who plans to go up on stage has an asterisk. Please let me know if you have more companies on your list or different information about the reps and other attendees. (Not everyone sent me exactly what they sent you.)

- Pam

Pamela A. Lacey | Senior Managing Counsel, Environment

American Gas Association

400 N. Capitol St., NW | Washington, DC | 20001

P: 202-824-7340 | M: 202-809-6565 | F: 202-824-9190 | placey@aga.org

The American Gas Association represents more than 200 local energy companies committed to the safe and reliable delivery of clean natural gas to nearly 69 million customers throughout the nation.

From: Bylin, Carey [mailto:Bylin.Carey@epa.gov]

Sent: Friday, March 25, 2016 4:06 PM **To:** Lacey, Pam < <u>PLacey@aga.org</u>>

Cc: Pryor, Justin < Pryor. Justin @epa.gov >; elina.bouloubasis@erg.com

Subject: RE: logistics for launch event and AGA Chairman

Hi Pam.

Thanks so much for getting in touch on this and for all the coordination on your end to help make this a successful launch. We are very excited for March 30. Sorry it took a bit to get back to you, there have been some last minute schedule adjustments so we were still finalizing logistics on this end.

Attached is a detailed agenda that should answer many of your questions. Note there has been a slight schedule adjustment and the Launch will now start at 10:15a and follow a break. For "flow" needs, we will have each partner stand on stage after being introduced. This means that the stage will need to be clear, and Mr. LaRossa and the DSI speaker should take their seats after speaking. I understand that Mr. LaRossa will be representing PSEG at the launch as well so he will return to the stage when PSEG is announced as a founding partner (and will have a photo with Janet McCabe at that time). After the Methane Challenge founding partner group photo, we are happy to accommodate a group photo with AGA members if time allows (we anticipate that it will).

I hope this provides the information you need. We are sending this information out to all partners as well, shortly. If other partners ask you about logistics, feel free to direct them to me or Elina (copied).

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Lacey, Pam [mailto:PLacey@aga.org]
Sent: Wednesday, March 23, 2016 5:29 PM

To: Bylin, Carey < Bylin. Carey@epa.gov >; Pryor, Justin < Pryor. Justin@epa.gov >

Subject: logistics for launch event and AGA Chairman

Importance: High

Carey—I left a voice message for Justin, but wanted to catch you both to discuss exactly how the event will play out. Would it be possible to have 3-4 chairs on the podium in addition to the lectern with microphone?

After talking with Mr. LaRossa's staff, we thought it might work best to have Mr. LaRossa, the DSI rep, and Janet McCabe seated as Carey Bylin introduces Ms. McCabe. After Ms. McCabe speaks, then she would introduce Mr. LaRossa who would come to the lectern shake her hand and then she would sit while he speaks. He would sit down and Ms McCabe? Would introduce the DSI rep for his statement. Then Mr. LaRossa and the DSI rep would remain seated on the podium while you would announce each participating company, their representative would come to the stage while you read their statement and they would shake hands with Ms. McCabe (photo perhaps – or not).

We thought about just having each rep stand in place at their seat, but then they would have their backs to the audience, and that would be awkward. Should each rep leave the stage or should they stay on stage as each one comes up and have applause at the end for the whole group? In that case, we would want it configured so they would stand behind Mr. LaRossa and the DSI rep rather than in front of them. I don't know if the stage is big enough. If not, then each rep should return to their seat.

What do you think about the above plan? What did you have in mind? Maybe you have a better idea.

I am getting questions about how this will work, and will soon need to have an answer, especially for our Board Chairman's staff. Thanks! - Pam

Pamela A. Lacey | Chief Regulatory Counsel

Office of General Counsel

American Gas Association

400 N. Capitol St., NW | Washington, DC | 20001

P: 202-824-7340 | M: 202-809-6565 | F: 202-824-9190 | placey@aga.org

The American Gas Association represents more than 200 local energy companies committed to the safe and reliable delivery of clean natural gas to over 69 million customers throughout the nation.

To: Lacey, Pam[PLacey@aga.org]

Cc: Pryor, Justin[Pryor.Justin@epa.gov]; elina.bouloubasis@erg.com[elina.bouloubasis@erg.com]

From: Bylin, Carey

Sent: Fri 3/25/2016 8:06:10 PM

Subject: RE: logistics for launch event and AGA Chairman GMF Launch Event Detailed Agenda 3-24-16-For Partners.docx

Hi Pam,

Thanks so much for getting in touch on this and for all the coordination on your end to help make this a successful launch. We are very excited for March 30. Sorry it took a bit to get back to you, there have been some last minute schedule adjustments so we were still finalizing logistics on this end.

Attached is a detailed agenda that should answer many of your questions. Note there has been a slight schedule adjustment and the Launch will now start at 10:15a and follow a break. For "flow" needs, we will have each partner stand on stage after being introduced. This means that the stage will need to be clear, and Mr. LaRossa and the DSI speaker should take their seats after speaking. I understand that Mr. LaRossa will be representing PSEG at the launch as well so he will return to the stage when PSEG is announced as a founding partner (and will have a photo with Janet McCabe at that time). After the Methane Challenge founding partner group photo, we are happy to accommodate a group photo with AGA members if time allows (we anticipate that it will).

I hope this provides the information you need. We are sending this information out to all partners as well, shortly. If other partners ask you about logistics, feel free to direct them to me or Elina (copied).

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Lacey, Pam [mailto:PLacey@aga.org] Sent: Wednesday, March 23, 2016 5:29 PM

To: Bylin, Carey <Bylin.Carey@epa.gov>; Pryor, Justin <Pryor.Justin@epa.gov>

Subject: logistics for launch event and AGA Chairman

Importance: High

Carey—I left a voice message for Justin, but wanted to catch you both to discuss exactly how the event will play out. Would it be possible to have 3-4 chairs on the podium in addition to the lectern with microphone?

After talking with Mr. LaRossa's staff, we thought it might work best to have Mr. LaRossa, the DSI rep, and Janet McCabe seated as Carey Bylin introduces Ms. McCabe. After Ms. McCabe speaks, then she would introduce Mr. LaRossa who would come to the lectern shake her hand and then she would sit while he speaks. He would sit down and Ms McCabe? Would introduce the DSI rep for his statement. Then Mr. LaRossa and the DSI rep would remain seated on the podium while you would announce each participating company, their representative would come to the stage while you read their statement and they would shake hands with Ms. McCabe (photo

perhaps - or not).

We thought about just having each rep stand in place at their seat, but then they would have their backs to the audience, and that would be awkward. Should each rep leave the stage or should they stay on stage as each one comes up and have applause at the end for the whole group? In that case, we would want it configured so they would stand behind Mr. LaRossa and the DSI rep rather than in front of them. I don't know if the stage is big enough. If not, then each rep should return to their seat.

What do you think about the above plan? What did you have in mind? Maybe you have a better idea.

I am getting questions about how this will work, and will soon need to have an answer, especially for our Board Chairman's staff. Thanks! - Pam

Pamela A. Lacey | Chief Regulatory Counsel

Office of General Counsel

American Gas Association

400 N. Capitol St., NW | Washington, DC | 20001

P: 202-824-7340 | M: 202-809-6565 | F: 202-824-9190 | placey@aga.org

The American Gas Association represents more than 200 local energy companies committed to the safe and reliable delivery of clean natural gas to over 69 million customers throughout the nation.

Methane Challenge Program Launch Event

<u>When</u>: Wednesday, March 30, 2016, 10:15-11:00AM

Global Methane Forum Plenary Session, immediately following Break

*The Launch Event will now follow a break, and Partner companies are requested to come to the Methane Challenge reserved seating area of the

Plenary Room at 10:00am to discuss logistics.*

Where: Georgetown University Hotel and Conference Center,

Washington, DC

Agenda:

Sarah Dunham will act as Master of Ceremonies and introduce Janet McCabe, Ralph LaRossa, and Robert LaCount.

10:15 AM -10:20 AM Welcome remarks

Janet McCabe, Acting Assistant Administrator for the Office of Air and Radiation,

US EPA

10:20 AM -10:30 AM Brief Remarks from Supportive Industry Associations

American Gas Association (AGA)

Ralph LaRossa, Chairman of the Board, AGA, President and Chief Operating Officer, Public Service Electric and Gas Company (a founding partner)

Downstream Initiative

Robert LaCount, Executive Vice President, M.J. Bradley & Associates

10:30 AM - 10:50 AM Introduce Program Partners (Sarah Dunham)

Introduce partners in alphabetical order. For each partner, introduce company

representative and read brief partner statements (\sim 30 seconds each).

While partner statement is read, partner representative walks on stage, shakes hands with Janet McCabe [pause for individual photo], and moves toward back

of stage. All partners will remain on stage to facilitate group photo.

If company does not have a representative at event, bio will just be read.

10:50 AM – 10:55 AM Closing Remarks (Janet McCabe)

Indicate that we will do a group photo.

10:55 AM - 11:00 AM Group Photo

Group (all companies) with Janet McCabe Other Group Photos (as time allows) To: Alicia DePalma[Alicia.DePalma@piedmontng.com]

Cc: Matt Kanes[matt.kanes@piedmontng.com]; Jane R. Lewis-Raymond[jane.lewis-

raymond@piedmontng.com] **From:** Bylin, Carey

Sent: Fri 3/25/2016 5:05:37 PM

Subject: RE: Piedmont Natural Gas Methane Challenge Partnership Agreement

Hi Alicia,

Thank you very much for this. We are in the process of countersigning the documents and will send you a fully executed version shortly.

I wanted to follow up on one small detail that we will need to correct on the Partnership Agreement. The Start Date is listed as "Completed" for Mains and Services. While I recognize what this means (e.g. that you are done for this source), the Start Date should be a specific date that is within six months of joining the Program, so the latest it can be is September 30, 2016. The significance of the start date is that is when companies need to start collecting the data they need to track commitments (though for founding partners comprehensive reporting will start for the 2017 calendar year). So even though you are done with these sources, we will still collect data on them to demonstrate your achievement (e.g. that all pipe in your system is composed of other materials). Are you okay with our recognizing your Start Date as 9/1/16, which is what you have for excavation damages? Or you can choose another date between the launch and 9/30/2016.

If you are okay with this, I can hand-write the revisions to the Partnership Agreement. Please reply with your proposed Start Date so we can have written confirmation in our file. Thank you for your help with this.

Ms. Carey Bylin

ivis. Carey Byiiii

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Alicia DePalma [mailto:Alicia.DePalma@piedmontng.com]

Sent: Friday, March 18, 2016 1:58 PM **To:** Bylin, Carey Splin.Carey@epa.gov

Cc: Matt Kanes <matt.kanes@piedmontng.com>; Jane R. Lewis-Raymond <jane.lewis-

raymond@piedmontng.com>

Subject: Piedmont Natural Gas Methane Challenge Partnership Agreement

Good afternoon Carey,

Attached is our completed and signed Methane Challenge Partnership Agreement. Please let us know if you need anything else from us to confirm our commitment to the program.

Thank you.

Alicia DePalma

Environmental Engineer

Piedmont Natural Gas

4720 Piedmont Row Drive

Charlotte, NC 28210

(704) 731-4118 Office

(704) 763-9311 Mobile

To: Chahbazpour, Donald[Donald.Chahbazpour@nationalgrid.com]; 'Elina

Bouloubasis'[Elina.Bouloubasis@erg.com]

Cc: Bennett, Thomas E.[Thomas.Bennett@nationalgrid.com]; Fleck,

Susan[Susan.Fleck@nationalgrid.com]; Medford, Ruth~K.[Ruth.Medford@nationalgrid.com]; Pryor, Annual Susan[Susan.Fleck@nationalgrid.com]; Pryor, Ruth~K.[Ruth.Medford@nationalgrid.com]; Pryor, Ruth~K.[Ruth.Medford

Justin[Pryor.Justin@epa.gov]

From: Bylin, Carey

Sent: Fri 3/25/2016 4:59:30 PM

Subject: RE: EXT || Thank You For Your Interest in the Natural Gas STAR Methane Challenge Program

Hi Don,

Thank you very much for this. We are in the process of countersigning the Partnership Agreements and will send you a fully executed version shortly.

I wanted to follow up on one small detail that we will need to correct on the Partnership Agreement. The Start Date is listed as "2016" for Mains and Services. The Start Date should be a specific date that is within six months of joining the Program, so the latest it can be is September 30, 2016. Are you okay with our recognizing your Start Date as 9/30/16? Or you can choose another date between March 30 and that point. The significance of the start date is that is when companies need to start collecting the data they need to track commitments (though for founding partners comprehensive reporting will start for the 2017 calendar year).

If you are okay with this, I will hand-write the revisions to the Partnership Agreement. Please reply with your concurrence with 9/30/16 or indicate your preferred date so we can have written confirmation in our file.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Chahbazpour, Donald [mailto:Donald.Chahbazpour@nationalgrid.com]

Sent: Wednesday, March 23, 2016 12:08 PM

To: Bylin, Carey <Bylin.Carey@epa.gov>; 'Elina Bouloubasis' <Elina.Bouloubasis@erg.com>

Cc: Bennett, Thomas E. <Thomas.Bennett@nationalgrid.com>; Fleck, Susan

<Susan.Fleck@nationalgrid.com>; Medford, Ruth K. <Ruth.Medford@nationalgrid.com>; Pryor,

Justin < Pryor. Justin@epa.gov>

Subject: RE: EXT || Thank You For Your Interest in the Natural Gas STAR Methane Challenge

Program

Importance: High

Carey and Elina,

National Grid is pleased to confirm that it will join EPA's Methane Challenge program as a founding partner. Attached please find the following two documents:

- 1. National Grid's signed partnership agreement.
- 2. Company bio for the event (I've also pasted it below).

Tom Bennett (CCed above), VP of Gas System Engineering, will represent National Grid at the event. I am also CCing Ruth Medford, Tom's Executive Assistant. Please provide her with the details of the launch event. Just a FYI, I will attend the conference as well.

Link to our company's website is https://www.nationalgridus.com

Please don't hesitate to contact me if you have any questions. Look forward to seeing you next week,

Don

Donald Chahbazpour
Director, Climate Change Compliance
nationalgrid
One MetroTech Center, 14th Floor
Brooklyn, NY 11201

Donald.Chahbazpour@nationalgrid.com

Tel: 929-324-4848 Mob: (b)(6) personal privacy

Company Bio for the Methane Challenge Launch Event

National Grid is an energy company that connects nearly 21 million people to vital energy sources through its networks in New York, Massachusetts and Rhode Island. Through its U.S. Connect21 strategy, National Grid is transforming its electricity and natural gas networks to support the 21st century digital economy with smarter, cleaner and more resilient energy solutions. Connect21 is vital to our communities' long-term economic and environmental health and aligns with regulatory initiatives in the states it serves. Additionally, reducing methane emissions is an integral component of the company's overall climate change and sustainability strategy, and we are delighted to be a founding partner of the Methane Challenge Program.

----Original Message----

From: U.S. EPA's Natural Gas STAR Program [mailto:gasstar@erg.com]

Sent: Wednesday, March 16, 2016 5:15 PM

To: Chahbazpour, Donald

Subject: EXT || Thank You For Your Interest in the Natural Gas STAR Methane Challenge Program

Dear Don:

On behalf of the U.S. Environmental Protection Agency (EPA), I am pleased to hear of your interest in joining the Natural Gas STAR Methane Challenge Program as a founding partner. We will be officially launching this new program at the Global Methane Forum (GMF) at 10:00am on March 30, 2016 in Washington, D.C.

The launch event will be hosted by Janet McCabe, EPA's Acting Assistant Administrator for Air and Radiation. If you confirm your participation as a founding partner, we encourage you to attend this exciting event. We will recognize your company even if you are not able to participate in person. Please be aware of the following next steps:

- -By March 23, please contact us (see contact information below) to confirm that you will be joining as a founding partner, and provide your signed Partnership Agreement.
- o Provide us a short bio (approximately 75 words) describing your company, your commitments, and highlighting reasons for becoming a Methane Challenge partner.
- o If your company plans to attend the Launch Event, provide the name, title, and contact information of the person who will be representing your company at the event and, if different, the contact information for the individual coordinating your company?s participation at the event.
- -Also, by March 23, please provide a link to your company's website as well as the specific way your company should be listed on the Methane Challenge Program website.
- -Be sure to register for the GMF as soon as possible (http://globalmethane.org/forum/).

Please send the above information to myself and Elina Bouloubasis (elina.bouloubasis@erg.com). Once we receive confirmation of your participation, we will provide more specific details about the launch event agenda, which will include recognition of each partner and individual and group photos. Please note that due to time constraints, we do not anticipate that partner companies will be able to give individual remarks at the event.

As a new Methane Challenge Program partner, there are a few next steps to be aware of. Within six months after joining the Program, each partner must develop an Implementation Plan to provide details on their planned participation, such as anticipated rate of progress, key milestones, and other relevant context. See the following Guidelines document for more information about how to develop an Implementation Plan: http://www3.epa.gov/gasstar/documents/MC IP Guidelines Final.pdf.

We will also be working with partners as we develop the Program's reporting system, and will be seeking input and feedback in the coming months. Finally, in an effort to further highlight our partners' accomplishments, we aim to work with partners to develop "Fact Sheets" that cover notable historical actions taken in advance of the Methane Challenge Program in efforts to mitigate methane emissions.

We encourage you to attend the full GMF event that will offer high-level plenary sessions on cross-cutting issues such as project financing, joint Global Methane Initiative (GMI)-Climate & Clean Air Coalition (CCAC) discussions on projects and policy, and ample opportunities for networking with methane experts in the public and private sectors from around the world. A draft agenda is available at http://globalmethane.org/forum/. We hope you are able to attend and participate in the sessions.

Please feel free to contact me or Justin Pryor (202-343-9258 or pryor.justin@epa.gov) with any questions you may have about the Methane Challenge Partnership. Please contact Elina Bouloubasis (703-373-0149 or elina.bouloubasis@erg.com) with any questions about the launch event. Thank you again for your support of the Methane Challenge Program and we hope to see you at the launch event in Washington, D.C.

Sincerely,

Ms. Carey Bylin U.S. Environmental Protection Agency 202-343-9669 bylin.carey@epa.gov This e-mail, and any attachments are strictly confidential and intended for the addressee(s) only. The content may also contain legal, professional or other privileged information. If you are not the intended recipient, please notify the sender immediately and then delete the e-mail and any attachments. You should not disclose, copy or take any action in reliance on this transmission.

You may report the matter by contacting us via our <u>UK Contacts Page</u> or our <u>US Contacts Page</u> (accessed by clicking on the appropriate link)

Please ensure you have adequate virus protection before you open or detach any documents from this transmission. National Grid plc and its affiliates do not accept any liability for viruses. An email reply to this address may be subject to monitoring for operational reasons or lawful business practices.

For the registered information on the UK operating companies within the National Grid group please use the attached link: http://www.nationalgrid.com/corporate/legal/registeredoffices.htm

To: Miller, Glenn D.[glenn.miller@centerpointenergy.com]

Cc: Lanasa, Christopher T[chris.lanasa@centerpointenergy.com]; Bye, Richard

T[Richard.Bye@centerpointenergy.com]

From: Bylin, Carey

Sent: Fri 3/25/2016 4:45:50 PM

Subject: RE: EPA Natural Gas Star Methane Challenge Program Commitment

Hello Glenn.

Thank you very much for this. We are in the process of countersigning the Partnership Agreements and will send you a fully executed version shortly.

I wanted to follow up on an item that we will need to correct on the Partnership Agreement. The Achievement Year is listed as "2032" for Mains. The Achievement Year must be within 5 years of the Start Date and it signifies the year you anticipate meeting your specified annual Mains replacement/rehabilitation rate (5%), which will be maintained on an on-going basis. I'm assuming that perhaps 2032 is when you anticipate completing your Mains replacement/rehabilitation? In any case, the Achievement Year must be within 5 years of the Start Date (e.g. between now and 2021). Can you provide a revised Achievement Year?

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Miller, Glenn D. [mailto:glenn.miller@centerpointenergy.com]

Sent: Wednesday, March 23, 2016 3:00 PM

To: Bylin, Carey <Bylin.Carey@epa.gov>; elina.bouloubasis@erg.com

Cc: Pam Lacey (PLacey@aga.org) < PLacey@aga.org>; Lanasa, Christopher T

<chris.lanasa@centerpointenergy.com>; Bye, Richard T

<Richard.Bye@centerpointenergy.com>

Subject: EPA Natural Gas Star Methane Challenge Program Commitment

Dear Ms. Bylin,

As I informed you earlier, CenterPoint Energy is interested in becoming a charter member of the EPA Natural Gas Star Methane Challenge Program. Please find attached the signed Partnership Agreement stating our commitment.

CenterPoint Energy, Inc., headquartered in Houston, Texas, is a domestic energy delivery company that includes electric transmission & distribution, natural gas distribution and energy services operations. With more than 7,400 employees, CenterPoint Energy and its predecessor companies have been in business for more than 140 years. As a long time member (1999) of the EPA Natural Gas Star Program, we found this program an important tool to move forward with system improvements to not only ensure system safety but to minimize methane emissions. With this enhanced methane challenge, CenterPoint Energy intends to participate at the Best Management Practice (BMP) level with Cast Iron and Bare Steel replacement as the selected BMP method.

I will be participating in the upcoming Global Methane Launch Event next week along with

CenterPoint Energy employee Chris LaNasa. My contact information is below.

The link to ConterPoint Energy's website is: <u>WWW.CenterPointEnergy.com</u>

Glenn D Miller

CenterPoint Energy

Mgr. Environmental Programs

Natural Gas Operations

O 612 861-8670

C 612 910-1299

To: Gadzik, Charlie[charlie.gadzik@pse.com]

From: Bylin, Carey

Sent: Fri 3/25/2016 4:30:29 PM

Subject: RE: Revised PSE partnership agreement for Methane Challenge

Hi Charlie,

Okay, we will swap this out. Thank you for your help with this.

Have a nice weekend.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Gadzik, Charlie [mailto:charlie.gadzik@pse.com]

Sent: Friday, March 25, 2016 11:57 AM **To:** Bylin, Carey Sylin.Carey@epa.gov

Subject: Revised PSE partnership agreement for Methane Challenge

Hi, Carey.

Based on your and Justin Pryor's report that the technical information for transmission equipment leaks and fugitive emissions is not yet available, PSE is adjusting its partnership agreement to omit this item pending publication of the technical specs. Attached is a revised cover page for our partnership agreement.

Regards,

Charlie

Charlie Gadzik

Customer Safety Communications Manager

PUGET SOUND ENERGY

355 110th Ave. NE EST-11W

Bellevue WA 98004

425-456-2727 tel

From: Bylin, Carey [mailto:Bylin.Carey@epa.gov]

To: Gadzik, Charlie Subject: Methane Challenge Supplemental Technical Information Hi Charlie, Good to talk to you just now. Following are some links to our Program materials: Methane Challenge Information Page: https://www3.epa.gov/gasstar/methanechallenge/index.html Partnership Agreement: https://www3.epa.gov/gasstar/documents/MC Partnership Agreement Final.pdf Supplementary Technical Information for Transmission Segment: https://www3.epa.gov/gasstar/documents/MC Onshore Supp Tech Info.pdf Supplementary Technical Information for Distribution Segment: https://www3.epa.gov/gasstar/documents/MC Distrib Supp Tech Info.pdf Please let me know if you need any more information. Ms. Carey Bylin International Programs Leader, Oil and Gas Natural Gas STAR Program Global Methane Initiative U.S. Environmental Protection Agency

Sent: Friday, March 25, 2016 8:02 AM

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



To: Hill, John[John.Hill@duke-energy.com]

From: Bylin, Carey

Sent: Fri 3/25/2016 4:26:24 PM

Subject: RE: Methane Challenge Follow-Up

Great, thank you. Enjoy the weekend.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Hill, John [mailto:John.Hill@duke-energy.com]

Sent: Friday, March 25, 2016 12:01 PM

To: Bylin, Carey <Bylin.Carey@epa.gov> **Subject:** RE: Methane Challenge Follow-Up

I agree with the information you provided and understand the start date for mains and services references the time we will begin collecting information on these programs with the intent to report in 2018 for calendar year 2017 data. Although we are joining as a founding partner under the Excavation Damage BMP, we will also report on our completion of and progress on replacement programs for cast iron and bare steel mains and services.

Thanks!
John
From: Bylin, Carey [mailto:Bylin.Carey@epa.gov] Sent: Friday, March 25, 2016 11:51 AM To: Hill, John Subject: RE: Methane Challenge Follow-Up

Thanks for getting on the phone with me a moment ago. As agreed, I will hand-write the following revisions to the Partnership Agreement. Please reply with your concurrence so we can have written confirmation in our file.

Mains Start Date: 9/1/2016

Hi John,

Services Start Date: 9/1/2016

Excavation Damages Start Date: 9/1/2016

Excavation Damages Achievement Year: 2021

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Bylin, Carey

Sent: Friday, March 25, 2016 11:28 AM

To: 'Hill, John' < <u>John.Hill@duke-energy.com</u>> **Subject:** RE: Methane Challenge Follow-Up

HI John,

Thank you for this. I just left you a message about your Partnership Agreement; there are a few areas where we are missing information and I wanted to correct those before we fully execute the document. Please give me a call when you have a moment.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Hill, John [mailto:John.Hill@duke-energy.com]

Sent: Friday, March 25, 2016 11:14 AM

To: 'Elina Bouloubasis' < Elina Bouloubasis@erg.com>

Cc: Bylin, Carey < Bylin. Carey@epa.gov >; Pryor, Justin < Pryor. Justin@epa.gov >; Haysbert, John A < John. Haysbert@duke-energy.com >; Stroben, Michael W < Michael. Stroben@duke-energy.com >; Denton, Diane V < Diane. Denton@duke-energy.com >; Fleming, Sandy

<<u>Sandy.Fleming@duke-energy.com</u>>

Subject: RE: Methane Challenge Follow-Up

I apologize for the delay in responding... I believe Heath Schuler and/or John Haysbert will be attending on behalf of Duke Energy. Here is their contact information:

Heath Shuler

SVP Fed Government Affairs

550 SOUTH TRYON, DEC47D

DUKE ENERGY CENTER

Heath.Shuler@duke-energy.com

John Haysbert

Fed Government Affairs Director

325 7TH ST NW SUITE 300

WASHINGTON, DC 20004

John.Haysbert@duke-energy.com

The company website for Duke Energy is www.duke-energy.com

Thanks!

John A. Hill, Jr, PE

Director of Engineering

Duke Energy - Gas Operations

513-287-5345

john.hill@duke-energy.com

From: Elina Bouloubasis [mailto:Elina.Bouloubasis@erg.com]

Sent: Wednesday, March 23, 2016 12:52 PM

To: Stroben, Michael W; Hill, John **Cc:** Bylin, Carey; Pryor, Justin

Subject: Methane Challenge Follow-Up

*** Exercise caution. This is an EXTERNAL email. DO NOT open attachments or click links from unknown senders or unexpected email. ***

Mr. Stroben and Mr. Hill,

Congratulations! On behalf of the U.S. Environmental Protection Agency (EPA), I am pleased to welcome you to the Natural Gas STAR Methane Challenge Program. The Partnership Agreement between your company and the U.S. EPA signifies your intent to undertake and document ambitious voluntary methane emission reductions. We will be countersigning the Partnership Agreement and providing you with a final version shortly.

In addition, thank you for sending the requested information to us. If you're able to attend the <u>launch</u> event next week, we still need the following items from you:

- Launch participant's name, title, and contact information
- Short bio (approximately 75 words) describing your company, commitments, and highlighting reasons for becoming a Methane Challenge Partner
- Company website and company name that should be listed on our website

Please be sure to provide these items to me (Elina.bouloubasis@erg.com) by COB Wednesday, March 23, if possible.

Below is the Launch Event Agenda for an understanding of how the event will be structured.

Methane Challenge Program Launch Event

When: Wednesday, March 30, 2016, 10:00-10:45AM

Global Methane Forum Plenary Session, immediately following Policy Roundtable: Different Approaches to Methane Policies 08:30-10:00AM)

*Reserved seating at the front of the room for Methane Challenge Founding Partners.

Where: Georgetown University Hotel and Conference Center

Washington, DC

Agenda:

10:00 AM -10:05 AM Welcome remarks

Janet McCabe, Acting Assistant Administrator for Air and Radiation, US EPA

10:05 AM -10:15 AM Brief Remarks from Supportive Industry Associations

American Gas Association (AGA)

Downstream Initiative

10:15 AM - 10:35 AM Introduce Program Partners

Introduce each partner in alphabetical order.

Read brief partner statements (30 seconds pre partner) that summarizes the company's business and their planned commitment as a Methane Challenge partner. While the short company statement is being read, each partner representative walks on stage and shakes hands with Janet McCabe [pause for individual photo]

10:35 AM – 10:40 AM Closing remarks

10:40 AM - 10:45 AM Group Photo

Group photo (all companies) with Janet McCabe on the stage

Additionally, from 12:30 - 1:30 pm, there will be an informal opportunity for you to discuss the Methane Challenge with EPA representatives—we hope you can attend! (The location will be announced at the Launch Event.)

If you haven't yet registered for the Global Methane Forum, please do so as soon as possible at http://globalmethane.org/forum/. On the day of the event, staff will be available at the registration desk to answer questions and provide assistance.

Please feel free to contact Carey Bylin (202-343-9669 or bylin.carey@epa.gov) or Justin Pryor (202-343-9258 or pryor.justin@epa.gov) with any questions about the Methane Challenge Partnership and contact Elina Bouloubasis (703-373-0149 or elina.bouloubasis@erg.com) with any questions about the launch event.
Thank you again for your support of the Methane Challenge Program and we look forward to working with you.
Sincerely,
Elina Bouloubasis
ERG - Contractor Support to the
EPA's Methane Challenge Program

To: Booth, Kevin[Kevin.Booth@avistacorp.com]

Cc: Simock, Debbie[Debbie.Simock@avistacorp.com]; Tyrie, Mary[Mary.Tyrie@avistacorp.com];

Howard, Bruce[Bruce.Howard@avistacorp.com]; Webb, Jeff[Jeff.Webb@avistacorp.com]

From: Bylin, Carey

Sent: Fri 3/25/2016 3:57:32 PM

Subject: RE: Avista Utilities signed Partnership Agreement for the Natural Gas STAR Methane

Challenge

Hi Kevin,

Thank you very much for this. We are in the process of countersigning the documents and will send you a fully executed version shortly.

I wanted to follow up on one small detail that we will need to correct on the Partnership Agreement. The Start Date is listed as "2016" for Excavation Damages. The Start Date should be a specific date that is within six months of joining the Program, so the latest it can be is September 30, 2016. Are you okay with our recognizing your Start Date as 9/30/16? Or you can choose another date between the launch and that point. The significance of the start date is that is when companies need to start collecting the data they need to track commitments (though for founding partners comprehensive reporting will start for the 2017 calendar year).

If you are okay with this, I will hand-write the revisions to the Partnership Agreement. Please reply with your concurrence (if you agree) so we can have written confirmation in our file.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Booth, Kevin [mailto:Kevin.Booth@avistacorp.com]

Sent: Wednesday, March 23, 2016 3:42 PM **To:** Bylin, Carey <Bylin.Carey@epa.gov>

Cc: Simock, Debbie < Debbie. Simock@avistacorp.com>; Tyrie, Mary

<Mary.Tyrie@avistacorp.com>; Howard, Bruce <Bruce.Howard@avistacorp.com>; Webb, Jeff

<Jeff.Webb@avistacorp.com>

Subject: Avista Utilities signed Partnership Agreement for the Natural Gas STAR Methane

Challenge

Ms. Bylin,

Attached are the signed Partnership Agreement and Appendix A - Commitment Table for the Natural Gas STAR Methane Challenge Program. Avista has committed via this agreement to establishing a best management practice for documenting excavation damages in the local distribution companies it operates in the natural gas distribution sector. Avista will use the collected data to set a goal for reducing excavation damages and methane emissions from excavation damages.

<u>Avista</u> Utilities is involved in the production, transmission and distribution of energy. We provide energy services, electricity and natural gas to customers in eastern Washington, northern Idaho and parts of southern and eastern Oregon. Avista Utilities is an operating division of <u>Avista</u> <u>Corp.</u>

Kevin Booth | Avista Corp. 509-495-4738 | 509-990-5915 (Cell) | 509-777-5892 (Fax)

kevin.booth@avistacorp.com

To: Johnson, Darrell[DJohnson@semprautilities.com]

From: Bylin, Carey

Sent: Fri 3/25/2016 3:52:12 PM

Subject: RE: Methane Challenge Program Interest

Thank you, you too.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Johnson, Darrell [mailto:DJohnson@semprautilities.com]

Sent: Friday, March 25, 2016 11:51 AM **To:** Bylin, Carey <Bylin.Carey@epa.gov>

Subject: RE: Methane Challenge Program Interest

Thanks again Carey and I truly hope you have a fantastic weekend!!!!

From: Bylin, Carey [mailto:Bylin.Carey@epa.gov]

Sent: Friday, March 25, 2016 7:48 AM

To: Johnson, Darrell

Subject: RE: Methane Challenge Program Interest

I got your message – it's no problem at all. There were a few companies that we had been working very closely with who also sent their materials yesterday. Looking forward to working with you on this.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Johnson, Darrell [mailto:DJohnson@semprautilities.com]

Sent: Thursday, March 24, 2016 1:23 PM

To: Bylin, Carey < Bylin. Carey@epa.gov >; Humphrey, Charles

<<u>CHumphrey@semprautilities.com</u>>

Cc: Navrozali, Hashim < HNavrozali@semprautilities.com>; Elina Bouloubasis

<<u>Elina.Bouloubasis@erg.com</u>>; Pryor, Justin <<u>Pryor.Justin@epa.gov</u>>

Subject: RE: Methane Challenge Program Interest

Carey,

Thank you very, very much!!!

Darrell Johnson

Manager, Environmental Programs Southern California Gas Company

Office: (213) 244-2142 Cell: (213) 369-2139 Fax: (213) 608-1877



From: Bylin, Carey [mailto:Bylin.Carey@epa.gov]

Sent: Thursday, March 24, 2016 8:20 AM

To: Humphrey, Charles

Cc: Johnson, Darrell; Navrozali, Hashim; Elina Bouloubasis; Pryor, Justin

Subject: RE: Methane Challenge Program Interest

Yes, that's fine, thank you. I just wanted to make sure nothing had changed from our previous communications.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Humphrey, Charles [mailto:CHumphrey@semprautilities.com]

Sent: Thursday, March 24, 2016 11:11 AM **To:** Bylin, Carey <<u>Bylin.Carey@epa.gov</u>>

Cc: Johnson, Darrell < DJohnson@semprautilities.com >; Navrozali, Hashim

<<u>HNavrozali@semprautilities.com</u>>; Elina Bouloubasis <<u>Elina.Bouloubasis@erg.com</u>>; Pryor,

Justin < Pryor. Justin@epa.gov>

Subject: RE: Methane Challenge Program Interest

Carey I was awaiting VP signature on the form which will come today. I apologize for the delay. Can I get to you in the next hour?

Sent from my Windows Phone

From: Bylin, Carey
Sent: 3/24/2016 7:36 AM
To: Humphrey, Charles

Cc: Johnson, Darrell; Navrozali, Hashim; Elina Bouloubasis; Pryor, Justin

Subject: RE: Methane Challenge Program Interest

Hi Charles,

I just wanted to check if So Cal Gas and SDGE will be joining the Methane Challenge Program as founding partners? Yesterday was the deadline to receive the Partnership Agreement and other materials. I do not believe we received anything from you and I just wanted to check status. If you are not able to join as a founding partner, that is fine, but wanted to make sure there had not been a miscommunication.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Humphrey, Charles [mailto:CHumphrey@semprautilities.com]

Sent: Wednesday, March 23, 2016 2:05 AM **To:** Bylin, Carey Sylin.Carey@epa.gov

Cc: Johnson, Darrell < DJohnson@semprautilities.com >; Navrozali, Hashim

<<u>HNavrozali@semprautilities.com</u>>

Subject: RE: Methane Challenge Program Interest

Thank you very much for the follow-up information Carey. Oddly I did not receive the original information and details, but rather saw it in an email Pam Lacey of AGA sent out to member organizations. I will work on completing the information and submitting it ASAP. Thanks for all your assistance!

Charles Humphrey

Project Mgr II - GHG Programs

SoCalGas Environmental Programs

W: 213.244.5476 M: 213.248.7547

email: chumphrey@semprautilities.com

From: Bylin, Carey [mailto:Bylin.Carey@epa.gov]

Sent: Tuesday, March 22, 2016 6:38 PM

To: Humphrey, Charles

Cc: Johnson, Darrell; Navrozali, Hashim

Subject: RE: Methane Challenge Program Interest

Hi Charles,

This is great that you are close to joining. I've included answers to your questions below. Please let me know if you need anything else.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Humphrey, Charles [mailto:CHumphrey@semprautilities.com]

Sent: Tuesday, March 22, 2016 12:03 PM **To:** Bylin, Carey < Bylin.carey@epa.gov>

Cc: Johnson, Darrell < DJohnson@semprautilities.com >; Navrozali, Hashim

<HNavrozali@semprautilities.com>

Subject: RE: Methane Challenge Program Interest

Hello Carey

I trust your week is going well... and getting busier with Methane Challenge activities!

I have a few clarifying questions regarding the form and the kickoff event.

- 1. I will be the Implementation Manager for our MC commitments (SoCalGas and SDGE), however, is the "Authorized Company Representative" to be signed by a higher ranking company official (in our case VP of Operations Support)... Kind of like a "Responsible Official"? Please advise. we leave it completely up to the companies to decide who is the right person to sign the document, thereby committing the company (voluntarily) to the Methane Challenge Program. We typically see that it is a more senior person, but it's completely up to the individual company.
- 2. Also regarding the commitment "start date" to be within 6 months of the 3/23/16 commitment date, or the 3/30/16 Program Kickoff date? You can make it to be within six months of 3/30/16.
- 3. Finally, have you outlined any expectations of the company official at the Program Kickoff event... will they need to take photos, make any comments, share company info, etc.? I want to prep our VP appropriately for the environment. we sent a note last week with the details of the event, did you get that?? The information is copied below.

On behalf of the U.S. Environmental Protection Agency (EPA), I am pleased to hear of your interest in joining the Natural Gas STAR Methane Challenge Program as a founding partner. We will be officially launching this new program at the Global Methane Forum (GMF) at 10:00am on March 30, 2016 in Washington, D.C.

The launch event will be hosted by Janet McCabe, EPA's Acting Assistant Administrator for Air and Radiation. If you confirm your participation as a founding partner, we encourage you to attend this exciting event. We will recognize your company even if you are not able to participate in person. Please be aware of the following next steps:

- By March 23, please contact us (see contact information below) to confirm that you will be joining as a founding partner, and provide your signed Partnership Agreement
- O Provide us a short bio (approximately 75 words) describing your company, your commitments, and highlighting reasons for becoming a Methane Challenge partner
- o If your company plans to attend the Launch Event, provide the name, title, and contact information of the person who will be representing your company at the event and, if different, the contact information for the individual coordinating your company's participation at the event
- Also, by March 23, please provide a link to your company's website as well as the specific way your company should be listed on the Methane Challenge Program website
- Be sure to register for the GMF as soon as possible (http://globalmethane.org/forum/)

Please send the above information to myself and Elina Bouloubasis (<u>elina.bouloubasis@erg.com</u>). Once we receive confirmation of your participation, we will provide more specific details about the launch event agenda, which will include recognition of each partner and individual and group photos. Please note that due to time constraints, we do not anticipate that partner companies will be able to give individual remarks at the event.

As a new Methane Challenge Program partner, there are a few next steps to be aware of. Within six months after joining the Program, each partner must develop an Implementation Plan to provide details on their planned participation, such as anticipated rate of progress, key milestones, and other relevant context. See the following Guidelines document for more information about how to develop an Implementation Plan:

http://www3.epa.gov/gasstar/documents/MC IP Guidelines Final.pdf.

We will also be working with partners as we develop the Program's reporting system, and will be seeking input and feedback in the coming months. Finally, in an effort to further highlight our partners' accomplishments, we aim to work with partners to develop "Fact Sheets" that cover notable historical actions taken in advance of the Methane Challenge Program in efforts to mitigate methane emissions.

We encourage you to attend the full GMF event that will offer high-level plenary

sessions on cross-cutting issues such as project financing, joint Global Methane Initiative (GMI)-Climate & Clean Air Coalition (CCAC) discussions on projects and policy, and ample opportunities for networking with methane experts in the public and private sectors from around the world. A draft agenda is available at http://globalmethane.org/forum/. We hope you are able to attend and participate in the sessions.

Please feel free to contact me or Justin Pryor (202-343-9258 or pryor.justin@epa.gov) with any questions you may have about the Methane Challenge Partnership. Please contact Elina Bouloubasis (703-373-0149 or elina.bouloubasis@erg.com) with any questions about the launch event. Thank you again for your support of the Methane Challenge Program and we hope to see you at the launch event in Washington, D.C.

Sincerely,

Ms. Carey Bylin

U.S. Environmental Protection Agency

202-343-9669

bylin.carey@epa.gov

Thanks for any assistance you can provide!

Charles Humphrey

Project Mgr II - GHG Programs

SoCalGas Environmental Programs

email: chumphrey@semprautilities.com From: Bylin, Carey [mailto:Bylin.Carey@epa.gov] **Sent:** Tuesday, March 15, 2016 8:29 AM To: Humphrey, Charles Cc: Johnson, Darrell; Navrozali, Hashim; Haines, Deanna Subject: RE: Methane Challenge Program Interest HI Charles, Sorry for the delay in following up, I was out sick on Monday. This is great news, thank you for letting me know. We will be following up with additional details specific to your company's participation in the launch event, pending your final confirmation. Please note that we have revised our Partnership Agreement on the web to allow for modification of the source commitment table if needed: https://www3.epa.gov/gasstar/documents/MC Partnership Agreement Final.pdf. Note that the Partnership Agreement only includes a mailing address, but if you wish you can send a scanned copy of the Partnership Agreement to me via e-mail if that is preferable. We look forward to working with you on the Methane Challenge Program. Best, Carey

W: 213.244.5476 M: 213.248.7547

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Humphrey, Charles [mailto:CHumphrey@semprautilities.com]

Sent: Friday, March 11, 2016 8:45 PM To: Bylin, Carey < Bylin. Carey@epa.gov >

Cc: Johnson, Darrell < DJohnson@semprautilities.com >; Navrozali, Hashim

<<u>HNavrozali@semprautilities.com</u>>; Haines, Deanna <<u>DHaines@semprautilities.com</u>>

Subject: Methane Challenge Program Interest

Importance: High

Carey,

I wanted to give you a heads up regarding Sempra Energy's proposed participation in the Methane Challenge. Both SoCalGas and SDGE plan to participate in the program. Additionally details will be provided next week.

Please advise if you have any questions. Thanks!

Charles Humphrey

Project Mgr II - GHG Programs

SoCalGas Environmental Programs

W: 213.244.5476 M: 213.248.7547

email: chumphrey@semprautilities.com

This email originated outside of Sempra Energy. Be cautious of attachments, web links, or requests for information.

This email originated outside of Sempra Energy. Be cautious of attachments, web links, or requests for information.

This email originated outside of Sempra Energy. Be cautious of attachments, web links, or requests for information.

This email originated outside of Sempra Energy. Be cautious of attachments, web links, or requests for information.

This email originated outside of Sempra Energy. Be cautious of attachments, web links, or requests for information.

To: Hill, John[John.Hill@duke-energy.com]

From: Bylin, Carey

Sent: Fri 3/25/2016 3:51:08 PM

Subject: RE: Methane Challenge Follow-Up

Hi John,

Thanks for getting on the phone with me a moment ago. As agreed, I will hand-write the following revisions to the Partnership Agreement. Please reply with your concurrence so we can have written confirmation in our file.

Mains Start Date: 9/1/2016

Services Start Date: 9/1/2016

Excavation Damages Start Date: 9/1/2016

Excavation Damages Achievement Year: 2021

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Bylin, Carey

Sent: Friday, March 25, 2016 11:28 AM

To: 'Hill, John' < John. Hill@duke-energy.com> **Subject:** RE: Methane Challenge Follow-Up

HI John,

Thank you for this. I just left you a message about your Partnership Agreement; there are a few areas where we are missing information and I wanted to correct those before we fully execute the document. Please give me a call when you have a moment.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Hill, John [mailto:John.Hill@duke-energy.com]

Sent: Friday, March 25, 2016 11:14 AM

To: 'Elina Bouloubasis' < Elina Bouloubasis@erg.com>

Cc: Bylin, Carey < Bylin. Carey@epa.gov >; Pryor, Justin < Pryor. Justin@epa.gov >; Haysbert, John A < John. Haysbert@duke-energy.com >; Stroben, Michael W < Michael. Stroben@duke-energy.com >; Denton, Diane V < Diane. Denton@duke-energy.com >; Fleming, Sandy

< Sandy. Fleming@duke-energy.com>

Subject: RE: Methane Challenge Follow-Up

I apologize for the delay in responding... I believe Heath Schuler and/or John Haysbert will be attending on behalf of Duke Energy. Here is their contact information:

Heath Shuler

SVP Fed Government Affairs

550 SOUTH TRYON, DEC47D

DUKE ENERGY CENTER

Heath.Shuler@duke-energy.com John Haysbert Fed Government Affairs Director 325 7TH ST NW SUITE 300 WASHINGTON, DC 20004 John.Haysbert@duke-energy.com The company website for Duke Energy is www.duke-energy.com Thanks! John A. Hill, Jr, PE Director of Engineering Duke Energy - Gas Operations

From: Elina Bouloubasis [mailto:Elina.Bouloubasis@erg.com]

513-287-5345

john.hill@duke-energy.com

Sent: Wednesday, March 23, 2016 12:52 PM

To: Stroben, Michael W; Hill, John **Cc:** Bylin, Carey; Pryor, Justin

Subject: Methane Challenge Follow-Up

*** Exercise caution. This is an EXTERNAL email. DO NOT open attachments or click links from unknown senders or unexpected email. ***

Mr. Stroben and Mr. Hill,

Congratulations! On behalf of the U.S. Environmental Protection Agency (EPA), I am pleased to welcome you to the Natural Gas STAR Methane Challenge Program. The Partnership Agreement between your company and the U.S. EPA signifies your intent to undertake and document ambitious voluntary methane emission reductions. We will be countersigning the Partnership Agreement and providing you with a final version shortly.

In addition, thank you for sending the requested information to us. If you're able to attend the <u>launch</u> event next week, we still need the following items from you:

- Launch participant's name, title, and contact information
- Short bio (approximately 75 words) describing your company, commitments, and highlighting reasons for becoming a Methane Challenge Partner
- Company website and company name that should be listed on our website

Please be sure to provide these items to me (Elina.bouloubasis@erg.com) by COB Wednesday, March 23, if possible.

Below is the Launch Event Agenda for an understanding of how the event will be structured.

Methane Challenge Program Launch Event

When: Wednesday, March 30, 2016, 10:00-10:45AM

Global Methane Forum Plenary Session, immediately following Policy Roundtable: Different Approaches to Methane Policies 08:30-10:00AM)

*Reserved seating at the front of the room for Methane Challenge Founding Partners.

Where: Georgetown University Hotel and Conference Center

Washington, DC

Agenda:

10:00 AM -10:05 AM Welcome remarks

Janet McCabe, Acting Assistant Administrator for Air and Radiation, US EPA

10:05 AM -10:15 AM Brief Remarks from Supportive Industry Associations

American Gas Association (AGA)

Downstream Initiative

10:15 AM - 10:35 AM Introduce Program Partners

Introduce each partner in alphabetical order.

Read brief partner statements (30 seconds pre partner) that summarizes the company's business and their planned commitment as a Methane Challenge partner. While the short company statement is being read, each partner representative walks on stage and shakes hands with Janet McCabe [pause for individual photo]

10:35 AM – 10:40 AM Closing remarks

10:40 AM - 10:45 AM Group	Photo
---------------------------	-------

Group photo (all companies) with Janet McCabe on the stage

Additionally, from 12:30 - 1:30 pm, there will be an informal opportunity for you to discuss the Methane Challenge with EPA representatives—we hope you can attend! (The location will be announced at the Launch Event.)

If you haven't yet registered for the Global Methane Forum, please do so as soon as possible at http://globalmethane.org/forum/. On the day of the event, staff will be available at the registration desk to answer questions and provide assistance.

Please feel free to contact Carey Bylin (202-343-9669 or bylin.carey@epa.gov) or Justin Pryor (202-343-9258 or pryor.justin@epa.gov) with any questions about the Methane Challenge Partnership and contact Elina Bouloubasis (703-373-0149 or elina.bouloubasis@erg.com) with any questions about the launch event.

Thank you again for your support of the Methane Challenge Program and we look forward to working with you.

Sincerely,

Elina Bouloubasis

ERG - Contractor Support to the

EPA's Methane Challenge Program

To: Hill, John[John.Hill@duke-energy.com]

From: Bylin, Carey

Sent: Fri 3/25/2016 3:28:18 PM

Subject: RE: Methane Challenge Follow-Up

HI John,

Thank you for this. I just left you a message about your Partnership Agreement; there are a few areas where we are missing information and I wanted to correct those before we fully execute the document. Please give me a call when you have a moment.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Hill, John [mailto:John.Hill@duke-energy.com]

Sent: Friday, March 25, 2016 11:14 AM

To: 'Elina Bouloubasis' <Elina.Bouloubasis@erg.com>

Cc: Bylin, Carey <Bylin.Carey@epa.gov>; Pryor, Justin <Pryor.Justin@epa.gov>; Haysbert, John A <John.Haysbert@duke-energy.com>; Stroben, Michael W <Michael.Stroben@duke-

energy.com>; Denton, Diane V < Diane.Denton@duke-energy.com>; Fleming, Sandy

<Sandy.Fleming@duke-energy.com>

Subject: RE: Methane Challenge Follow-Up

I apologize for the delay in responding... I believe Heath Schuler and/or John Haysbert will be attending on behalf of Duke Energy. Here is their contact information:

Heath Shuler

SVP Fed Government Affairs

550 SOUTH TRYON, DEC47D

DUKE ENERGY CENTER

Heath.Shuler@duke-energy.com

John Haysbert

Fed Government Affairs Director

325 7TH ST NW SUITE 300

WASHINGTON, DC 20004

John.Haysbert@duke-energy.com

The company website for Duke Energy is www.duke-energy.com
Thanks!
John A. Hill, Jr, PE
Director of Engineering
Duke Energy - Gas Operations
513-287-5345
john.hill@duke-energy.com
From: Elina Bouloubasis [mailto:Elina.Bouloubasis@erg.com] Sent: Wednesday, March 23, 2016 12:52 PM To: Stroben, Michael W; Hill, John Cc: Bylin, Carey; Pryor, Justin
Subject: Methane Challenge Follow-Up
*** Exercise caution. This is an EXTERNAL email. DO NOT open attachments or click links from unknown senders or unexpected email. ***
Mr. Stroben and Mr. Hill,
Congratulations! On behalf of the U.S. Environmental Protection Agency (EPA), I am pleased to

welcome you to the Natural Gas STAR Methane Challenge Program. The Partnership Agreement between your company and the U.S. EPA signifies your intent to undertake and document ambitious voluntary methane emission reductions. We will be countersigning the Partnership Agreement and providing you with a final version shortly.

In addition, thank you for sending the requested information to us. If you're able to attend the <u>launch</u> event next week, we still need the following items from you:

- Launch participant's name, title, and contact information
- Short bio (approximately 75 words) describing your company, commitments, and highlighting reasons for becoming a Methane Challenge Partner
- Company website and company name that should be listed on our website

Please be sure to provide these items to me (<u>Elina.bouloubasis@erg.com</u>) by *COB Wednesday, March 23*, if possible.

Below is the Launch Event Agenda for an understanding of how the event will be structured.

Methane Challenge Program Launch Event

When: Wednesday, March 30, 2016, 10:00-10:45AM

Global Methane Forum Plenary Session, immediately following Policy Roundtable: Different Approaches to Methane Policies 08:30-10:00AM)

*Reserved seating at the front of the room for Methane Challenge Founding Partners.

Where: Georgetown University Hotel and Conference Center

Washington, DC

Agenda:

10:00 AM -10:05 AM Welcome remarks

Janet McCabe, Acting Assistant Administrator for Air and Radiation, US EPA

10:05 AM -10:15 AM Brief Remarks from Supportive Industry Associations

American Gas Association (AGA)

Downstream Initiative

10:15 AM - 10:35 AM Introduce Program Partners

Introduce each partner in alphabetical order.

Read brief partner statements (30 seconds pre partner) that summarizes the company's business and their planned commitment as a Methane Challenge partner. While the short company statement is being read, each partner representative walks on stage and shakes hands with Janet McCabe [pause for individual photo]

10:35 AM – 10:40 AM Closing remarks

10:40 AM - 10:45 AM Group Photo

Group photo (all companies) with Janet McCabe on the stage

Additionally, from 12:30 - 1:30 pm, there will be an informal opportunity for you to discuss the Methane Challenge with EPA representatives—we hope you can attend! (The location will be announced at the Launch Event.)

If you haven't yet registered for the Global Methane Forum, please do so as soon as possible at http://globalmethane.org/forum/. On the day of the event, staff will be available at the registration desk to answer questions and provide assistance. Please feel free to contact Carey Bylin (202-343-9669 or bylin.carey@epa.gov) or Justin Pryor (202-343-9258 or pryor.justin@epa.gov) with any questions about the Methane Challenge Partnership and contact Elina Bouloubasis (703-373-0149 or elina.bouloubasis@erg.com) with any questions about the launch event. Thank you again for your support of the Methane Challenge Program and we look forward to working with you. Sincerely, Elina Bouloubasis ERG - Contractor Support to the EPA's Methane Challenge Program

To: charlie.gadzik@pse.com[charlie.gadzik@pse.com]

From: Bylin, Carey

Sent: Fri 3/25/2016 3:02:11 PM

Subject: Methane Challenge Supplemental Technical Information

Hi Charlie,

Good to talk to you just now. Following are some links to our Program materials:

Methane Challenge Information Page:

https://www3.epa.gov/gasstar/methanechallenge/index.html

Partnership Agreement:

https://www3.epa.gov/gasstar/documents/MC Partnership Agreement Final.pdf

Supplementary Technical Information for Transmission Segment:

https://www3.epa.gov/gasstar/documents/MC Onshore Supp Tech Info.pdf

Supplementary Technical Information for Distribution Segment:

https://www3.epa.gov/gasstar/documents/MC Distrib Supp Tech Info.pdf

Please let me know if you need any more information.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



To: Johnson, Darrell[DJohnson@semprautilities.com]

From: Bylin, Carey

Sent: Fri 3/25/2016 2:48:16 PM

Subject: RE: Methane Challenge Program Interest

I got your message – it's no problem at all. There were a few companies that we had been working very closely with who also sent their materials yesterday. Looking forward to working with you on this.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Johnson, Darrell [mailto:DJohnson@semprautilities.com]

Sent: Thursday, March 24, 2016 1:23 PM

To: Bylin, Carey <Bylin.Carey@epa.gov>; Humphrey, Charles

<CHumphrey@semprautilities.com>

Cc: Navrozali, Hashim < HNavrozali@semprautilities.com>; Elina Bouloubasis

<Elina.Bouloubasis@erg.com>; Pryor, Justin <Pryor.Justin@epa.gov>

Subject: RE: Methane Challenge Program Interest

Carey,

Thank you very, very much!!!

Darrell Johnson

Manager, Environmental Programs Southern California Gas Company

Office: (213) 244-2142 Cell: (213) 369-2139 Fax: (213) 608-1877



From: Bylin, Carey [mailto:Bylin.Carey@epa.gov]
Sent: Thursday, March 24, 2016 8:20 AM

To: Humphrey, Charles

Cc: Johnson, Darrell; Navrozali, Hashim; Elina Bouloubasis; Pryor, Justin

Subject: RE: Methane Challenge Program Interest

Yes, that's fine, thank you. I just wanted to make sure nothing had changed from our previous communications.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Humphrey, Charles [mailto:CHumphrey@semprautilities.com]

Sent: Thursday, March 24, 2016 11:11 AM **To:** Bylin, Carey <<u>Bylin.Carey@epa.gov</u>>

Cc: Johnson, Darrell < DJohnson@semprautilities.com >; Navrozali, Hashim

<<u>HNavrozali@semprautilities.com</u>>; Elina Bouloubasis <<u>Elina.Bouloubasis@erg.com</u>>; Pryor,

Justin < Pryor. Justin@epa.gov>

Subject: RE: Methane Challenge Program Interest

Carey I was awaiting VP signature on the form which will come today. I apologize for the delay. Can I get to you in the next hour?

Sent from my Windows Phone

From: Bylin, Carey

Sent: 3/24/2016 7:36 AM To: <u>Humphrey, Charles</u>

Cc: Johnson, Darrell; Navrozali, Hashim; Elina Bouloubasis; Pryor, Justin

Subject: RE: Methane Challenge Program Interest

Hi Charles,

I just wanted to check if So Cal Gas and SDGE will be joining the Methane Challenge Program as founding partners? Yesterday was the deadline to receive the Partnership Agreement and other materials. I do not believe we received anything from you and I just wanted to check status. If you are not able to join as a founding partner, that is fine, but wanted to make sure there had not been a miscommunication.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Humphrey, Charles [mailto:CHumphrey@semprautilities.com]

Sent: Wednesday, March 23, 2016 2:05 AM **To:** Bylin, Carey < Bylin. Carey@epa.gov >

Cc: Johnson, Darrell <DJohnson@semprautilities.com>; Navrozali, Hashim

<HNavrozali@semprautilities.com>

Subject: RE: Methane Challenge Program Interest

Thank you very much for the follow-up information Carey. Oddly I did not receive the original information and details, but rather saw it in an email Pam Lacey of AGA sent out to member organizations. I will work on completing the information and submitting it ASAP. Thanks for all your assistance!

Charles Humphrey

Project Mgr II - GHG Programs

SoCalGas Environmental Programs

W: 213.244.5476 M: 213.248.7547

email: chumphrey@semprautilities.com

From: Bylin, Carey [mailto:Bylin.Carey@epa.gov]

Sent: Tuesday, March 22, 2016 6:38 PM

To: Humphrey, Charles

Cc: Johnson, Darrell; Navrozali, Hashim

Subject: RE: Methane Challenge Program Interest

Hi Charles,

This is great that you are close to joining. I've included answers to your questions below. Please let me know if you need anything else.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Humphrey, Charles [mailto:CHumphrey@semprautilities.com]

Sent: Tuesday, March 22, 2016 12:03 PM **To:** Bylin, Carey < Bylin.Carey@epa.gov>

Cc: Johnson, Darrell < DJohnson@semprautilities.com >; Navrozali, Hashim

<HNavrozali@semprautilities.com>

Subject: RE: Methane Challenge Program Interest

Hello Carey

I trust your week is going well... and getting busier with Methane Challenge activities!

I have a few clarifying questions regarding the form and the kickoff event.

- 1. I will be the Implementation Manager for our MC commitments (SoCalGas and SDGE), however, is the "Authorized Company Representative" to be signed by a higher ranking company official (in our case VP of Operations Support)... Kind of like a "Responsible Official"? Please advise. we leave it completely up to the companies to decide who is the right person to sign the document, thereby committing the company (voluntarily) to the Methane Challenge Program. We typically see that it is a more senior person, but it's completely up to the individual company.
- 2. Also regarding the commitment "start date" to be within 6 months of the 3/23/16 commitment date, or the 3/30/16 Program Kickoff date? You can make it to be within six months of 3/30/16.
- 3. Finally, have you outlined any expectations of the company official at the Program Kickoff event... will they need to take photos, make any comments, share company info, etc.? I want to prep our VP appropriately for the environment. we sent a note last week with the details of the event, did you get that?? The information is copied below.

On behalf of the U.S. Environmental Protection Agency (EPA), I am pleased to hear of your interest in joining the Natural Gas STAR Methane Challenge Program as a founding partner. We will be officially launching this new program at the Global Methane Forum (GMF) at 10:00am on March 30, 2016 in Washington, D.C.

The launch event will be hosted by Janet McCabe, EPA's Acting Assistant Administrator for Air and Radiation. If you confirm your participation as a founding partner, we encourage you to attend this exciting event. We will recognize your company even if you are not able to participate in person. Please be aware of the following next steps:

- By March 23, please contact us (see contact information below) to confirm that you will be joining as a founding partner, and provide your signed Partnership Agreement
- o Provide us a short bio (approximately 75 words) describing your company, your commitments, and highlighting reasons for becoming a Methane Challenge partner

o If your company plans to attend the Launch Event, provide the name, title, and contact information of the person who will be representing your company at the event and, if different, the contact information for the individual coordinating your company's participation at the event

- Also, by March 23, please provide a link to your company's website as well as the specific way your company should be listed on the Methane Challenge Program website
- Be sure to register for the GMF as soon as possible (http://globalmethane.org/forum/)

Please send the above information to myself and Elina Bouloubasis (<u>elina.bouloubasis@erg.com</u>). Once we receive confirmation of your participation, we will provide more specific details about the launch event agenda, which will include recognition of each partner and individual and group photos. Please note that due to time constraints, we do not anticipate that partner companies will be able to give individual remarks at the event.

As a new Methane Challenge Program partner, there are a few next steps to be aware of. Within six months after joining the Program, each partner must develop an Implementation Plan to provide details on their planned participation, such as anticipated rate of progress, key milestones, and other relevant context. See the following Guidelines document for more information about how to develop an Implementation Plan:

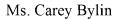
http://www3.epa.gov/gasstar/documents/MC IP Guidelines Final.pdf.

We will also be working with partners as we develop the Program's reporting system, and will be seeking input and feedback in the coming months. Finally, in an effort to further highlight our partners' accomplishments, we aim to work with partners to develop "Fact Sheets" that cover notable historical actions taken in advance of the Methane Challenge Program in efforts to mitigate methane emissions.

We encourage you to attend the full GMF event that will offer high-level plenary sessions on cross-cutting issues such as project financing, joint Global Methane Initiative (GMI)-Climate & Clean Air Coalition (CCAC) discussions on projects and policy, and ample opportunities for networking with methane experts in the public and private sectors from around the world. A draft agenda is available at http://globalmethane.org/forum/. We hope you are able to attend and participate in the sessions.

Please feel free to contact me or Justin Pryor (202-343-9258 or pryor.justin@epa.gov) with any questions you may have about the Methane Challenge Partnership. Please contact Elina Bouloubasis (703-373-0149 or elina.bouloubasis@erg.com) with any questions about the launch event. Thank you again for your support of the Methane Challenge Program and we hope to see you at the launch event in Washington, D.C.

Sincerely,



U.S. Environmental Protection Agency

202-343-9669

bylin.carey@epa.gov

Thanks for any assistance you can provide!

Charles Humphrey

Project Mgr II - GHG Programs

SoCalGas Environmental Programs

W: 213.244.5476 M: 213.248.7547

email: chumphrey@semprautilities.com

From: Bylin, Carey [mailto:Bylin.Carey@epa.gov] Sent: Tuesday, March 15, 2016 8:29 AM To: Humphrey, Charles Cc: Johnson, Darrell; Navrozali, Hashim; Haines, Deanna Subject: RE: Methane Challenge Program Interest
HI Charles,
Sorry for the delay in following up, I was out sick on Monday. This is great news, thank you for letting me know. We will be following up with additional details specific to your company's participation in the launch event, pending your final confirmation. Please note that we have revised our Partnership Agreement on the web to allow for modification of the source commitment table if needed:
https://www3.epa.gov/gasstar/documents/MC_Partnership_Agreement_Final.pdf.
Note that the Partnership Agreement only includes a mailing address, but if you wish you can send a scanned copy of the Partnership Agreement to me via e-mail if that is preferable.
We look forward to working with you on the Methane Challenge Program.
Best,
Carey
Ms. Carey Bylin
International Programs Leader, Oil and Gas
Natural Gas STAR Program
Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Humphrey, Charles [mailto:CHumphrey@semprautilities.com]

Sent: Friday, March 11, 2016 8:45 PM
To: Bylin, Carey < Bylin.Carey@epa.gov>

Cc: Johnson, Darrell <DJohnson@semprautilities.com>; Navrozali, Hashim

<HNavrozali@semprautilities.com>; Haines, Deanna <DHaines@semprautilities.com>

Subject: Methane Challenge Program Interest

Importance: High

Carey,

I wanted to give you a heads up regarding Sempra Energy's proposed participation in the Methane Challenge. Both SoCalGas and SDGE plan to participate in the program. Additionally details will be provided next week.

Please advise if you have any questions. Thanks!

Charles Humphrey

Project Mgr II - GHG Programs

SoCalGas Environmental Programs

W: 213.244.5476 M: 213.248.7547

email: chumphrey@semprautilities.com

This email originated outside of Sempra Energy. Be cautious of attachments, web links, or requests for information.

This email originated outside of Sempra Energy. Be cautious of attachments, web links, or requests for information.

This email originated outside of Sempra Energy. Be cautious of attachments, web links, or requests for information.

This email originated outside of Sempra Energy. Be cautious of attachments, web links, or requests for information.

To: Keeble, Gwen[keebleg@oru.com]

From: Bylin, Carey

Sent: Fri 3/25/2016 2:44:47 PM

Subject: RE: Additional information pertaining to the Natural Gas STAR Methane Challenge Program --

Orange and Rockland Utilities, Inc.

Hi Gwen,

Thank you for getting in touch. Yes, we received your Partnership Agreement and will get a countersigned version to you today or Monday.

The Start Date is listed as "2016" for Mains and Services. The Start Date is supposed to be a specific date that is within six months of joining the Program, so the latest it can be is September 30, 2016. Are you okay with our recognizing your Start Date as 9/30/16? Or you can choose another date between the launch and that point. The significance of the start date is that is when companies need to start collecting the data they need to track commitments (though for founding partners comprehensive reporting will start for the 2017 calendar year).

Please advise what you would like your start date to be and I will make the needed change to the Partnership Agreement.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Keeble, Gwen [mailto:keebleg@oru.com]

Sent: Friday, March 25, 2016 10:19 AM

To: 'bylin.carey@epa.gov'

Subject: RE: Additional information pertaining to the Natural Gas STAR Methane Challenge

Program -- Orange and Rockland Utilities, Inc.

Good morning – I am confirming you have received our agreement document and checking to see if you need anything further. I spoke with Bill Slade this morning who suggested I might want to check in to be sure our information was received, and the start date is appropriate.

Thanks!

Gwen Keeble

845-577-3534

917-418-5764

From: Keeble, Gwen

Sent: Wednesday, March 23, 2016 3:17 PM

To: 'elina.bouloubasis@erg.com'; 'bylin.carey@epa.gov'

Subject: FW: Additional information pertaining to the Natural Gas STAR Methane Challenge Program --

Orange and Rockland Utilities, Inc.

Today, Orange and Rockland Utilities, Inc. filed its signed Methane Challenge Partnership Agreement via email, with a hard copy sent overnight. Below please see the additional requested information.

Orange and Rockland will be represented at the forum by our colleagues from Con Ed Co. of NY, Mr. Kyle Kimball, VP of Government Relations, and Mr. Bill Slade the Emerging Issues Manager. Please feel free to reach out to me with any questions or concerns.

Gwen Keeble

Section Manager – Environmental Services

Orange and Rockland Utilities, Inc.

845-577-3534

917-418-5764

keebleg@oru.com

See below for additional requested information from Orange and Rockland Utilities.

----Original Message-----

From: U.S. EPA's Natural Gas STAR Program [mailto:gasstar@erg.com]

Sent: Wednesday, March 16, 2016 5:15 PM

To: Slade, William

Subject: Thank You For Your Interest in the Natural Gas STAR Methane Challenge Program

<External Sender>

EXTERNAL SENDER. Do not click on links if sender is unknown and never provide user ID or password.

Dear Bill:
On behalf of the U.S. Environmental Protection Agency (EPA), I am pleased to hear of your interest in joining the Natural Gas STAR Methane Challenge Program as a founding partner. We will be officially launching this new program at the Global Methane Forum (GMF) at 10:00am on March 30, 2016 in Washington, D.C.
The launch event will be hosted by Janet McCabe, EPA's Acting Assistant Administrator for Air and Radiation. If you confirm your participation as a founding partner, we encourage you to attend this exciting event. We will recognize your company even if you are not able to participate in person. Please be aware of the following next steps:
-By March 23, please contact us (see contact information below) to confirm that you will be joining as a founding partner, and provide your signed Partnership Agreement.
The Orange and Rockland partnership agreement was emailed today, and sent via hard copy today.
o Provide us a short bio (approximately 75 words) describing your company, your commitments, and highlighting reasons for becoming a Methane Challenge partner.
Orange and Rockland has participated in the Natural Gas STAR program since 1994, and welcomes the opportunity to join the Methane Challenge. Orange and Rockland distributes natural gas to 133,267 customers in Orange and Rockland counties in New York.

Last year the Company made significant improvements in reducing the total leak backlog, replacing 17 miles of leak prone pipe in each of the past three years. Our goal with this Partnership Agreement is to replace 6.5% of our cast iron and unprotected (bare) steel mains by the end of 2016.

o If your company plans to attend the Launch Event, provide the name, title, and contact information of the person who will be representing your company at the event and, if different, the contact information for the individual coordinating your company's participation at the event.

Orange and Rockland will be represented by our colleagues at Con Ed Co. of NY:

Mr. Kyle Kimball

Vice President, Government Relations

Consolidated Edison Company of New York

4 Irving Place

New York, NY 10003

kimballk@coned.com

212-460-2706

Coordinating:

Mr. William V. Slade

(b)(6) personal privacy (cell)

sladew@coned.com

-Also, by March 23, please provide a link to your company's website as well as the specific way your company should be listed on the Methane Challenge Program website.

Orange and Rockland Utilities, Inc.

www.oru.com

-Be sure to register for the GMF as soon as possible (http://globalmethane.org/forum/).

Both Kyle Kimball and Bill Slade are registered for the Global Methane Forum

Please send the above information to myself and Elina Bouloubasis (<u>elina.bouloubasis@erg.com</u>). Once we receive confirmation of your participation, we will provide more specific details about the launch event agenda, which will include recognition of each partner and individual and group photos. Please note that due to time constraints, we do not anticipate that partner companies will be able to give individual remarks at the event.

As a new Methane Challenge Program partner, there are a few next steps to be aware of. Within six months after joining the Program, each partner must develop an Implementation Plan to provide details on their planned participation, such as anticipated rate of progress, key milestones, and other relevant context. See the following Guidelines document for more information about how to develop an Implementation Plan: http://www3.epa.gov/gasstar/documents/MC IP Guidelines Final.pdf.

We will also be working with partners as we develop the Program's reporting system, and will be seeking input and feedback in the coming months. Finally, in an effort to further highlight our partners' accomplishments, we aim to work with partners to develop "Fact Sheets" that cover notable historical actions taken in advance of the Methane Challenge Program in efforts to mitigate methane emissions.

We encourage you to attend the full GMF event that will offer high-level plenary sessions on

cross-cutting issues such as project financing, joint Global Methane Initiative (GMI)-Climate & Clean Air Coalition (CCAC) discussions on projects and policy, and ample opportunities for networking with methane experts in the public and private sectors from around the world. A draft agenda is available at http://globalmethane.org/forum/. We hope you are able to attend and participate in the sessions.

Please feel free to contact me or Justin Pryor (202-343-9258 or pryor.justin@epa.gov) with any questions you may have about the Methane Challenge Partnership. Please contact Elina Bouloubasis (703-373-0149 or elina.bouloubasis@erg.com) with any questions about the launch event. Thank you again for your support of the Methane Challenge Program and we hope to see you at the launch event in Washington, D.C.

Sincerely,

Ms. Carey Bylin

U.S. Environmental Protection Agency

202-343-9669

bylin.carey@epa.gov

To: mbanas@nisource.com[mbanas@nisource.com]

Cc: Pryor, Justin[Pryor.Justin@epa.gov]

From: Bylin, Carey

Sent: Fri 3/25/2016 12:40:45 AM

Subject: RE: Methane Challenge Launch Event

Hi Mike,

We are still developing a logo that is distinct from Natural Gas STAR so I don't have anything to share now. We hope to have it soon and will definitely share with partners.

Ms. Carey Bylin International Programs Leader, Oil and Gas Natural Gas STAR Program Global Methane Initiative U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)
1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460

----Original Message-----

From: mbanas@nisource.com [mailto:mbanas@nisource.com]

Sent: Thursday, March 24, 2016 5:39 PM
To: Bylin, Carey <Bylin.Carey@epa.gov>
Subject: Re: Methane Challenge Launch Event

Thanks. Are we able to use the Methane Challenge logo as a Founding Partner? If not, that's okay. If so, can you send me a high-qualify version? Thanks!

Mike Banas

Director of Corporate Communications NiSource Inc. v: 219.647.5581 c. 312.730.7329 mbanas@nisource.com

From: "Bylin, Carey" <Bylin.Carey@epa.gov>

To: "mbanas@nisource.com" <mbanas@nisource.com>.

Date: 03/24/2016 10:18 AM

Subject: Methane Challenge Launch Event

Hello Mike.

Good talking to you a minute ago. Below are the key points to consider for communications about the Methane Challenge launch. I've also confirmed we will be using the main EPA Facebook and Twitter accounts for social media.

Please let me know if you have any other questions.

- Today at the Global Methane Forum in Washington D.C., EPA announced the launch of a new voluntary partnership program—the Natural Gas STAR Methane Challenge Program—with founding partner companies in the oil and gas sector.
- · Companies participating in the Methane Challenge program are helping to realize valuable opportunities to reduce methane emissions, improve air quality, and capture this valuable resource.
- Through the Methane Challenge Program, partner companies have a platform to demonstrate their role as industry leaders by committing to adopt best management practices company-wide for key sources within five years.
- Through this program, partner companies have the capability to achieve significant voluntary reductions in a flexible and cost-effective way.
- Transparency is a fundamental part of the Program, and partners will submit data directly to EPA to track their achievements over time.
- The Methane Challenge Program is an important part of the Obama Administration's strategy to reduce methane emissions from the oil and gas sector.

Ms. Carey Bylin

International Programs Leader, Oil and Gas Natural Gas STAR Program Global Methane Initiative U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)
1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460

(Embedded image moved to file: pic00041.gif)

To: Anand Yegnan (Services - 6)[Anand.Yegnan@dom.com]

Cc: 'Elina Bouloubasis'[Elina.Bouloubasis@erg.com]; Pryor, Justin[Pryor.Justin@epa.gov]

From: Bylin, Carey

Sent: Thur 3/24/2016 7:23:41 PM

Subject: RE: Dominion Distribution - Partnership Agreement

Hi Anand, it seems your scan is missing the first page of the Partnership Agreement. Can you please send that as well? That should be filled in with the company name.

Also, can you advise if your Dominion transmission operations are planning to participate as a founding partner? Or is it just distribution for now?

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Anand Yegnan (Services - 6) [mailto:Anand.Yegnan@dom.com]

Sent: Thursday, March 24, 2016 2:36 PM

To: Anand Yegnan (Services - 6) < Anand. Yegnan@dom.com>; Bylin, Carey

<Bylin.Carey@epa.gov>

Cc: 'Elina Bouloubasis' <Elina.Bouloubasis@erg.com>; Pryor, Justin <Pryor.Justin@epa.gov>

Subject: Dominion Distribution - Partnership Agreement

Hi Carey -

Attached please find a copy of Dominion's partnership agreement for the distribution companies.

I will be sending the company bio and who will represent Dominion at the event shortly.

One question – can we have more than one person at the launch event; we will designate our "official" representative but wanted to know if there can be others in the event as well.

Let me know.

Thank you.

-Anand.

From: Anand Yegnan (Services - 6)

Sent: Wednesday, March 23, 2016 8:15 PM

To: 'Bylin, Carey'

Cc: 'Elina Bouloubasis'; Pryor, Justin; Pamela Faggert (Services - 6)

Subject: RE: Methane Challenge

Hello Carey -

Dominion confirms its intent to participate in the Methane Challenge program as a Founding Partner for the distribution segment. We are evaluating the options for participation in the transmission and storage (T&S) segment and will inform EPA about this decision soon. We plan to send the partnership agreement and other information soon and no later than Monday, 3/28.

Please let me know if you have any questions. Thank you.

-Anand

From: Bylin, Carey

Sent: Wednesday, March 23, 2016 4:44 PM

To: 'Anand Yegnan (Services - 6)' < <u>Anand Yegnan@dom.com</u>>

Cc: 'Elina Bouloubasis' < Elina Bouloubasis@erg.com >; Pryor, Justin < Pryor.Justin@epa.gov >

Subject: Methane Challenge

Hello Anand,

Good talking to you just now. I apologize that you did not receive our e-mail last week – attached below is the content for your reference.

As mentioned, please reply stating your intention to join as a founding partner and indicating anticipated timeframes for sending the signed Partnership Agreement(s) and remaining information, as per the message below.

We look forward to working with you on this!

On behalf of the U.S. Environmental Protection Agency (EPA), I am pleased to hear of your interest in joining the Natural Gas STAR Methane Challenge Program as a founding partner. We will be officially launching this new program at the Global Methane Forum (GMF) at 10:00am on March 30, 2016 in Washington, D.C.

The launch event will be hosted by Janet McCabe, EPA's Acting Assistant Administrator for Air and Radiation. If you confirm your participation as a founding partner, we encourage you to attend this exciting event. We will recognize your company even if you are not able to participate in person. Please be aware of the following next steps:

- By March 23, please contact us (see contact information below) to confirm that you will be joining as a founding partner, and provide your signed Partnership Agreement.
- o Provide us a short bio (approximately 75 words) describing your company, your commitments, and highlighting reasons for becoming a Methane Challenge partner.
- o If your company plans to attend the Launch Event, provide the name, title, and contact information of the person who will be representing your company at the event and, if different, the contact information for the individual coordinating your company's participation at the event.
- Also, by March 23, please provide a link to your company's website as well as the specific way your company should be listed on the Methane Challenge Program website.
- Be sure to register for the GMF as soon as possible (http://globalmethane.org/forum/).

Please send the above information to myself and Elina Bouloubasis (<u>elina.bouloubasis@erg.com</u>). Once we receive confirmation of your participation, we will provide more specific details about the launch event agenda, which will include recognition of each partner and individual and group photos. Please note that due to time constraints, we do not anticipate that partner companies will be able to give individual remarks at the event.

As a new Methane Challenge Program partner, there are a few next steps to be aware of. Within six months after joining the Program, each partner must develop an Implementation Plan to provide details on their planned participation, such as anticipated rate of progress, key milestones, and other relevant context. See the following Guidelines document for more information about how to develop an Implementation Plan:

http://www3.epa.gov/gasstar/documents/MC IP Guidelines Final.pdf.

We will also be working with partners as we develop the Program's reporting system, and will be seeking input and feedback in the coming months. Finally, in an effort to further highlight our partners' accomplishments, we aim to work with partners to develop "Fact Sheets" that cover notable historical actions taken in advance of the Methane Challenge Program in efforts to mitigate methane emissions.

We encourage you to attend the full GMF event that will offer high-level plenary sessions on cross-cutting issues such as project financing, joint Global Methane Initiative (GMI)-Climate & Clean Air Coalition (CCAC) discussions on projects and policy, and ample opportunities for networking with methane experts in the public and private sectors from around the world. A draft agenda is available at http://globalmethane.org/forum/. We hope you are able to attend and participate in the sessions.

Please feel free to contact me or Justin Pryor (202-343-9258 or pryor.justin@epa.gov) with any questions you may have about the Methane Challenge Partnership. Please contact Elina Bouloubasis (703-373-0149 or elina.bouloubasis@erg.com) with any questions about the launch event. Thank you again for your support of the Methane Challenge Program and we hope to see you at the launch event in Washington, D.C.

Sincerely,

Ms. Carey Bylin

U.S. Environmental Protection Agency
202-343-9669

bylin.carey@epa.gov

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



CONFIDENTIALITY NOTICE: This electronic message contains information which may be legally confidential and or privileged and does not in any case represent a firm ENERGY COMMODITY bid or offer relating thereto which binds the sender without an additional express written confirmation to that effect. The information is intended solely for the individual or entity named above and access by anyone else is unauthorized. If you are not the intended recipient, any disclosure, copying, distribution, or use of the contents of this information is prohibited and may be unlawful. If you have received this electronic transmission in error, please reply immediately to the sender that you have received the message in error, and delete it. Thank you.

To: Anand Yegnan (Services - 6)[Anand.Yegnan@dom.com]

Cc: 'Elina Bouloubasis'[Elina.Bouloubasis@erg.com]; Pryor, Justin[Pryor.Justin@epa.gov]

From: Bylin, Carey

Sent: Thur 3/24/2016 6:56:15 PM

Subject: RE: Dominion Distribution - Partnership Agreement

HI Anand,

This is great, thank you. Yes, you absolutely can have more than one person at the launch, but as you mention only one should expect to represent Dominion on stage.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Anand Yegnan (Services - 6) [mailto:Anand.Yegnan@dom.com]

Sent: Thursday, March 24, 2016 2:36 PM

To: Anand Yegnan (Services - 6) < Anand. Yegnan@dom.com>; Bylin, Carey

<Bylin.Carey@epa.gov>

Cc: 'Elina Bouloubasis' <Elina.Bouloubasis@erg.com>; Pryor, Justin <Pryor.Justin@epa.gov>

Subject: Dominion Distribution - Partnership Agreement

Hi Carey -

Attached please find a copy of Dominion's partnership agreement for the distribution companies.

I will be sending the company bio and who will represent Dominion at the event shortly.

One question – can we have more than one person at the launch event; we will designate our "official" representative but wanted to know if there can be others in the event as well.

Let me know.

Thank you.

-Anand.

From: Anand Yegnan (Services - 6)

Sent: Wednesday, March 23, 2016 8:15 PM

To: 'Bylin, Carey'

Cc: 'Elina Bouloubasis'; Pryor, Justin; Pamela Faggert (Services - 6)

Subject: RE: Methane Challenge

Hello Carey -

Dominion confirms its intent to participate in the Methane Challenge program as a Founding Partner for the distribution segment. We are evaluating the options for participation in the transmission and storage (T&S) segment and will inform EPA about this decision soon. We plan to send the partnership agreement and other information soon and no later than Monday, 3/28.

Please let me know if you have any questions. Thank you.

-Anand

From: Bylin, Carey

Sent: Wednesday, March 23, 2016 4:44 PM

To: 'Anand Yegnan (Services - 6)' < <u>Anand Yegnan@dom.com</u>>

Cc: 'Elina Bouloubasis' < Elina Bouloubasis@erg.com >; Pryor, Justin < Pryor.Justin@epa.gov >

Subject: Methane Challenge

Hello Anand,

Good talking to you just now. I apologize that you did not receive our e-mail last week – attached below is the content for your reference.

As mentioned, please reply stating your intention to join as a founding partner and indicating anticipated timeframes for sending the signed Partnership Agreement(s) and remaining information, as per the message below.

We look forward to working with you on this!

On behalf of the U.S. Environmental Protection Agency (EPA), I am pleased to hear of your interest in joining the Natural Gas STAR Methane Challenge Program as a founding partner. We will be officially launching this new program at the Global Methane Forum (GMF) at 10:00am on March 30, 2016 in Washington, D.C.

The launch event will be hosted by Janet McCabe, EPA's Acting Assistant Administrator for Air and Radiation. If you confirm your participation as a founding partner, we encourage you to attend this exciting event. We will recognize your company even if you are not able to participate in person. Please be aware of the following next steps:

- By March 23, please contact us (see contact information below) to confirm that you will be joining as a founding partner, and provide your signed Partnership Agreement.
- o Provide us a short bio (approximately 75 words) describing your company, your commitments, and highlighting reasons for becoming a Methane Challenge partner.
- o If your company plans to attend the Launch Event, provide the name, title, and contact information of the person who will be representing your company at the event and, if different, the contact information for the individual coordinating your company's participation at the event.
- Also, by March 23, please provide a link to your company's website as well as the specific way your company should be listed on the Methane Challenge Program website.
- Be sure to register for the GMF as soon as possible (http://globalmethane.org/forum/).

Please send the above information to myself and Elina Bouloubasis (<u>elina.bouloubasis@erg.com</u>). Once we receive confirmation of your participation, we will provide more specific details about the launch event agenda, which will include recognition of each partner and individual and group photos. Please note that due to time constraints, we do not anticipate that partner companies will be able to give individual remarks at the event.

As a new Methane Challenge Program partner, there are a few next steps to be aware of. Within six months after joining the Program, each partner must develop an Implementation Plan to provide details on their planned participation, such as anticipated rate of progress, key milestones, and other relevant context. See the following Guidelines document for more information about how to develop an Implementation Plan:

http://www3.epa.gov/gasstar/documents/MC IP Guidelines Final.pdf.

We will also be working with partners as we develop the Program's reporting system, and will be seeking input and feedback in the coming months. Finally, in an effort to further highlight our partners' accomplishments, we aim to work with partners to develop "Fact Sheets" that cover notable historical actions taken in advance of the Methane Challenge Program in efforts to mitigate methane emissions.

We encourage you to attend the full GMF event that will offer high-level plenary sessions on cross-cutting issues such as project financing, joint Global Methane Initiative (GMI)-Climate & Clean Air Coalition (CCAC) discussions on projects and policy, and ample opportunities for networking with methane experts in the public and private sectors from around the world. A draft agenda is available at http://globalmethane.org/forum/. We hope you are able to attend and participate in the sessions.

Please feel free to contact me or Justin Pryor (202-343-9258 or pryor.justin@epa.gov) with any questions you may have about the Methane Challenge Partnership. Please contact Elina Bouloubasis (703-373-0149 or elina.bouloubasis@erg.com) with any questions about the launch event. Thank you again for your support of the Methane Challenge Program and we hope to see you at the launch event in Washington, D.C.

Sincerely,

Ms. Carey Bylin

U.S. Environmental Protection Agency
202-343-9669

bylin.carey@epa.gov

To: Humphrey, Charles[CHumphrey@semprautilities.com]
Cc: Johnson, Darrell[DJohnson@semprautilities.com]; Navrozali,

Hashim[HNavrozali@semprautilities.com]; Elina Bouloubasis[Elina.Bouloubasis@erg.com]; Pryor,

Justin[Pryor.Justin@epa.gov]

From: Bylin, Carey

Sent: Thur 3/24/2016 3:19:41 PM

Subject: RE: Methane Challenge Program Interest

Yes, that's fine, thank you. I just wanted to make sure nothing had changed from our previous communications.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Humphrey, Charles [mailto:CHumphrey@semprautilities.com]

Sent: Thursday, March 24, 2016 11:11 AM **To**: Bylin, Carey <Bylin.Carey@epa.gov>

Cc: Johnson, Darrell < DJohnson@semprautilities.com>; Navrozali, Hashim

<HNavrozali@semprautilities.com>; Elina Bouloubasis <Elina.Bouloubasis@erg.com>; Pryor,

Justin < Pryor. Justin@epa.gov>

Subject: RE: Methane Challenge Program Interest

Carey I was awaiting VP signature on the form which will come today. I apologize for the delay. Can I get to you in the next hour?

Sent from my Windows Phone

From: Bylin, Carey
Sent: 3/24/2016 7:36 AM
To: Humphrey, Charles

Cc: Johnson, Darrell; Navrozali, Hashim; Elina Bouloubasis; Pryor, Justin

Subject: RE: Methane Challenge Program Interest

Hi Charles,

I just wanted to check if So Cal Gas and SDGE will be joining the Methane Challenge Program as founding partners? Yesterday was the deadline to receive the Partnership Agreement and other materials. I do not believe we received anything from you and I just wanted to check status. If you are not able to join as a founding partner, that is fine, but wanted to make sure there had not been a miscommunication.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Humphrey, Charles [mailto:CHumphrey@semprautilities.com]

Sent: Wednesday, March 23, 2016 2:05 AM **To:** Bylin, Carey < Bylin. Carey@epa.gov>

Cc: Johnson, Darrell <DJohnson@semprautilities.com>; Navrozali, Hashim

<HNavrozali@semprautilities.com>

Subject: RE: Methane Challenge Program Interest

Thank you very much for the follow-up information Carey. Oddly I did not receive the original information and details, but rather saw it in an email Pam Lacey of AGA sent out to member organizations. I will work on completing the information and submitting it ASAP. Thanks for all your assistance!

Charles Humphrey

Project Mgr II - GHG Programs

SoCalGas Environmental Programs

W: 213.244.5476 M: 213.248.7547

email: chumphrey@semprautilities.com

From: Bylin, Carey [mailto:Bylin.Carey@epa.gov]

Sent: Tuesday, March 22, 2016 6:38 PM

To: Humphrey, Charles

Cc: Johnson, Darrell; Navrozali, Hashim

Subject: RE: Methane Challenge Program Interest

Hi Charles,

This is great that you are close to joining. I've included answers to your questions below. Please let me know if you need anything else.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Humphrey, Charles [mailto:CHumphrey@semprautilities.com]

Sent: Tuesday, March 22, 2016 12:03 PM **To:** Bylin, Carey <Bylin.Carey@epa.gov>

Cc: Johnson, Darrell < DJohnson@semprautilities.com >; Navrozali, Hashim

<HNavrozali@semprautilities.com>

Subject: RE: Methane Challenge Program Interest

Hello Carey

I trust your week is going well... and getting busier with Methane Challenge activities!

I have a few clarifying questions regarding the form and the kickoff event.

- 1. I will be the Implementation Manager for our MC commitments (SoCalGas and SDGE), however, is the "Authorized Company Representative" to be signed by a higher ranking company official (in our case VP of Operations Support)... Kind of like a "Responsible Official"? Please advise. we leave it completely up to the companies to decide who is the right person to sign the document, thereby committing the company (voluntarily) to the Methane Challenge Program. We typically see that it is a more senior person, but it's completely up to the individual company.
- 2. Also regarding the commitment "start date" to be within 6 months of the 3/23/16 commitment date, or the 3/30/16 Program Kickoff date? You can make it to be within six months of 3/30/16.
- 3. Finally, have you outlined any expectations of the company official at the Program Kickoff event... will they need to take photos, make any comments, share company info, etc.? I want to prep our VP appropriately for the environment. we sent a note last week with the details of the event, did you get that?? The information is copied below.

On behalf of the U.S. Environmental Protection Agency (EPA), I am pleased to hear of your interest in joining the Natural Gas STAR Methane Challenge Program as a founding partner. We will be officially launching this new program at the Global Methane Forum (GMF) at 10:00am on March 30, 2016 in Washington, D.C.

The launch event will be hosted by Janet McCabe, EPA's Acting Assistant Administrator for Air and Radiation. If you confirm your participation as a founding partner, we encourage you to attend this exciting event. We will recognize your company even if you are not able to participate in person. Please be aware of the following next steps:

- By March 23, please contact us (see contact information below) to confirm that you will be joining as a founding partner, and provide your signed Partnership Agreement
- o Provide us a short bio (approximately 75 words) describing your company, your commitments, and highlighting reasons for becoming a Methane Challenge partner
- o If your company plans to attend the Launch Event, provide the name, title, and contact information of the person who will be representing your company at the event and, if different, the contact information for the individual coordinating your company's participation at the event
- Also, by March 23, please provide a link to your company's website as well as the specific way your company should be listed on the Methane Challenge Program website
- Be sure to register for the GMF as soon as possible (http://globalmethane.org/forum/)

Please send the above information to myself and Elina Bouloubasis (<u>elina.bouloubasis@erg.com</u>). Once we receive confirmation of your participation, we will provide more specific details about the launch event agenda, which will include recognition of each partner and individual and group photos. Please note that due to time constraints, we do not anticipate that partner companies will be able to give individual remarks at the event.

As a new Methane Challenge Program partner, there are a few next steps to be aware of. Within six months after joining the Program, each partner must develop an Implementation Plan to provide details on their planned participation, such as anticipated rate of progress, key milestones, and other relevant context. See the following Guidelines document for more information about how to develop an Implementation Plan:

http://www3.epa.gov/gasstar/documents/MC IP Guidelines Final.pdf.

We will also be working with partners as we develop the Program's reporting system, and will be seeking input and feedback in the coming months. Finally, in an effort to further highlight our partners' accomplishments, we aim to work with partners to develop "Fact Sheets" that cover notable historical actions taken in advance of the Methane Challenge Program in efforts to mitigate methane emissions.

We encourage you to attend the full GMF event that will offer high-level plenary sessions on cross-cutting issues such as project financing, joint Global Methane Initiative (GMI)-Climate & Clean Air Coalition (CCAC) discussions on projects and policy, and ample opportunities for networking with methane experts in the public and private sectors from around the world. A draft agenda is available at http://globalmethane.org/forum/. We hope you are able to attend and participate in the sessions.

Please feel free to contact me or Justin Pryor (202-343-9258 or pryor.justin@epa.gov) with any questions you may have about the Methane Challenge Partnership. Please contact Elina Bouloubasis (703-373-0149 or elina.bouloubasis@erg.com) with any questions about the launch event. Thank you again for your support of the Methane Challenge Program and we hope to see you at the launch event in Washington, D.C.

Sincerely,

Ms. Carey Bylin

U.S. Environmental Protection Agency

202-343-9669

bylin.carey@epa.gov

Thanks for any assistance you can provide!

Charles Humphrey

Project Mgr II - GHG Programs

SoCalGas Environmental Programs

W: 213.244.5476 M: 213.248.7547

email: chumphrey@semprautilities.com

From: Bylin, Carey [mailto:Bylin.Carey@epa.gov]

Sent: Tuesday, March 15, 2016 8:29 AM

To: Humphrey, Charles

Cc: Johnson, Darrell; Navrozali, Hashim; Haines, Deanna **Subject:** RE: Methane Challenge Program Interest

HI Charles.

Sorry for the delay in following up, I was out sick on Monday. This is great news, thank you for letting me know. We will be following up with additional details specific to your company's participation in the launch event, pending your final confirmation. Please note that we have revised our Partnership Agreement on the web to allow for modification of the source commitment table if needed:

https://www3.epa.gov/gasstar/documents/MC Partnership Agreement Final.pdf.

Note that the Partnership Agreement only includes a mailing address, but if you wish you can send a scanned copy of the Partnership Agreement to me via e-mail if that is preferable.

We look forward to working with you on the Methane Challenge Program.

Be	st
-	·Οι

Carey

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Humphrey, Charles [mailto:CHumphrey@semprautilities.com]

Sent: Friday, March 11, 2016 8:45 PM
To: Bylin, Carey < Bylin. Carey@epa.gov>

Cc: Johnson, Darrell < DJohnson@semprautilities.com >; Navrozali, Hashim

<<u>HNavrozali@semprautilities.com</u>>; Haines, Deanna <<u>DHaines@semprautilities.com</u>>

Subject: Methane Challenge Program Interest

Importance: High

Carey,

I wanted to give you a heads up regarding Sempra Energy's proposed participation in the Methane Challenge. Both SoCalGas and SDGE plan to participate in the program. Additionally details will be provided next week.

Please advise if you have any questions. Thanks!

Charles Humphrey

Project Mgr II - GHG Programs

SoCalGas Environmental Programs

W: 213.244.5476 M: 213.248.7547

email: chumphrey@semprautilities.com

This email originated outside of Sempra Energy. Be cautious of attachments, web links, or requests for information.

This email originated outside of Sempra Energy. Be cautious of attachments, web links, or requests for information.

This email originated outside of Sempra Energy. Be cautious of attachments, web links, or requests for information.

To: From: Sent: Subject:	mbanas@nisource.com[mbanas@nisource.com] Bylin, Carey Thur 3/24/2016 3:17:54 PM Methane Challenge Launch Event
Hello Mil	ke,
about the	ing to you a minute ago. Below are the key points to consider for communications Methane Challenge launch. I've also confirmed we will be using the main EPA and Twitter accounts for social media. Please let me know if you have any other
launch of	Today at the Global Methane Forum in Washington D.C., EPA announced the a new voluntary partnership program—the Natural Gas STAR Methane Challenge—with founding partner companies in the oil and gas sector.
	Companies participating in the Methane Challenge program are helping to realize opportunities to reduce methane emissions, improve air quality, and capture this resource.
demonstra	Through the Methane Challenge Program, partner companies have a platform to ate their role as industry leaders by committing to adopt best management practices wide for key sources within five years.
	Through this program, partner companies have the capability to achieve significant reductions in a flexible and cost-effective way.
	☐☐ Transparency is a fundamental part of the Program, and partners will submit data EPA to track their achievements over time.
	The Methane Challenge Program is an important part of the Obama ration's strategy to reduce methane emissions from the oil and gas sector.
Ms. Care	y Bylin
Internatio	nal Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



To: Humphrey, Charles[CHumphrey@semprautilities.com]

Cc: Johnson, Darrell[DJohnson@semprautilities.com]; Navrozali,

Hashim[HNavrozali@semprautilities.com]; Elina Bouloubasis[Elina.Bouloubasis@erg.com]; Pryor,

Justin[Pryor.Justin@epa.gov]

From: Bylin, Carey
Sent: Thur 3/24/2016 2:36:00 PM

Subject: RE: Methane Challenge Program Interest

Hi Charles,

I just wanted to check if So Cal Gas and SDGE will be joining the Methane Challenge Program as founding partners? Yesterday was the deadline to receive the Partnership Agreement and other materials. I do not believe we received anything from you and I just wanted to check status. If you are not able to join as a founding partner, that is fine, but wanted to make sure there had not been a miscommunication.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Humphrey, Charles [mailto:CHumphrey@semprautilities.com]

Sent: Wednesday, March 23, 2016 2:05 AM **To:** Bylin, Carey <Bylin.Carey@epa.gov>

Cc: Johnson, Darrell < DJohnson@semprautilities.com>; Navrozali, Hashim

<HNavrozali@semprautilities.com>

Subject: RE: Methane Challenge Program Interest

Thank you very much for the follow-up information Carey. Oddly I did not receive the original information and details, but rather saw it in an email Pam Lacey of AGA sent out to member organizations. I will work on completing the information and submitting it ASAP. Thanks for all your assistance!

Charles Humphrey

Project Mgr II - GHG Programs

SoCalGas Environmental Programs

W: 213.244.5476 M: 213.248.7547

email: chumphrey@semprautilities.com

From: Bylin, Carey [mailto:Bylin.Carey@epa.gov]

Sent: Tuesday, March 22, 2016 6:38 PM

To: Humphrey, Charles

Cc: Johnson, Darrell; Navrozali, Hashim

Subject: RE: Methane Challenge Program Interest

Hi Charles,

This is great that you are close to joining. I've included answers to your questions below. Please let me know if you need anything else.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Humphrey, Charles [mailto:CHumphrey@semprautilities.com]

Sent: Tuesday, March 22, 2016 12:03 PM **To:** Bylin, Carey < Bylin.Carey@epa.gov>

Cc: Johnson, Darrell < DJohnson@semprautilities.com >; Navrozali, Hashim

<HNavrozali@semprautilities.com>

Subject: RE: Methane Challenge Program Interest

I trust your week is going well... and getting busier with Methane Challenge activities!

I have a few clarifying questions regarding the form and the kickoff event.

- 1. I will be the Implementation Manager for our MC commitments (SoCalGas and SDGE), however, is the "Authorized Company Representative" to be signed by a higher ranking company official (in our case VP of Operations Support)... Kind of like a "Responsible Official"? Please advise. we leave it completely up to the companies to decide who is the right person to sign the document, thereby committing the company (voluntarily) to the Methane Challenge Program. We typically see that it is a more senior person, but it's completely up to the individual company.
- 2. Also regarding the commitment "start date" to be within 6 months of the 3/23/16 commitment date, or the 3/30/16 Program Kickoff date? You can make it to be within six months of 3/30/16.
- 3. Finally, have you outlined any expectations of the company official at the Program Kickoff event... will they need to take photos, make any comments, share company info, etc.? I want to prep our VP appropriately for the environment. we sent a note last week with the details of the event, did you get that?? The information is copied below.

On behalf of the U.S. Environmental Protection Agency (EPA), I am pleased to hear of your interest in joining the Natural Gas STAR Methane Challenge Program as a founding partner. We will be officially launching this new program at the Global Methane Forum (GMF) at 10:00am on March 30, 2016 in Washington, D.C.

The launch event will be hosted by Janet McCabe, EPA's Acting Assistant Administrator for Air and Radiation. If you confirm your participation as a founding partner, we encourage you to attend this exciting event. We will recognize your company even if you are not able to participate in person. Please be aware of the following next steps:

• By March 23, please contact us (see contact information below) to confirm that you will be

joining as a founding partner, and provide your signed Partnership Agreement

- o Provide us a short bio (approximately 75 words) describing your company, your commitments, and highlighting reasons for becoming a Methane Challenge partner
- o If your company plans to attend the Launch Event, provide the name, title, and contact information of the person who will be representing your company at the event and, if different, the contact information for the individual coordinating your company's participation at the event
- Also, by March 23, please provide a link to your company's website as well as the specific way your company should be listed on the Methane Challenge Program website
- Be sure to register for the GMF as soon as possible (http://globalmethane.org/forum/)

Please send the above information to myself and Elina Bouloubasis (<u>elina.bouloubasis@erg.com</u>). Once we receive confirmation of your participation, we will provide more specific details about the launch event agenda, which will include recognition of each partner and individual and group photos. Please note that due to time constraints, we do not anticipate that partner companies will be able to give individual remarks at the event.

As a new Methane Challenge Program partner, there are a few next steps to be aware of. Within six months after joining the Program, each partner must develop an Implementation Plan to provide details on their planned participation, such as anticipated rate of progress, key milestones, and other relevant context. See the following Guidelines document for more information about how to develop an Implementation Plan:

http://www3.epa.gov/gasstar/documents/MC IP Guidelines Final.pdf.

We will also be working with partners as we develop the Program's reporting system, and will be seeking input and feedback in the coming months. Finally, in an effort to further highlight our partners' accomplishments, we aim to work with partners to develop "Fact Sheets" that cover notable historical actions taken in advance of the Methane Challenge Program in efforts to mitigate methane emissions.

We encourage you to attend the full GMF event that will offer high-level plenary sessions on cross-cutting issues such as project financing, joint Global Methane Initiative (GMI)-Climate & Clean Air Coalition (CCAC) discussions on projects and policy, and ample opportunities for networking with methane experts in the public and private sectors from around the world. A draft agenda is available at

http://globalmethane.org/forum/. We hope you are able to attend and participate in the sessions.

Please feel free to contact me or Justin Pryor (202-343-9258 or pryor.justin@epa.gov) with any questions you may have about the Methane Challenge Partnership. Please contact Elina Bouloubasis (703-373-0149 or elina.bouloubasis@erg.com) with any questions about the launch event. Thank you again for your support of the Methane Challenge Program and we hope to see you at the launch event in Washington, D.C.

Sincerely,

Ms. Carey Bylin

U.S. Environmental Protection Agency

202-343-9669

bylin.carey@epa.gov

Thanks for any assistance you can provide!

Charles Humphrey

Project Mgr II - GHG Programs

SoCalGas Environmental Programs

W: 213.244.5476 M: 213.248.7547

email: chumphrey@semprautilities.com

From: Bylin, Carey [mailto:Bylin.Carey@epa.gov] Sent: Tuesday, March 15, 2016 8:29 AM To: Humphrey, Charles Cc: Johnson, Darrell; Navrozali, Hashim; Haines, Deanna Subject: RE: Methane Challenge Program Interest
HI Charles,
Sorry for the delay in following up, I was out sick on Monday. This is great news, thank you for letting me know. We will be following up with additional details specific to your company's participation in the launch event, pending your final confirmation. Please note that we have revised our Partnership Agreement on the web to allow for modification of the source commitment table if needed:
https://www3.epa.gov/gasstar/documents/MC_Partnership_Agreement_Final.pdf.
Note that the Partnership Agreement only includes a mailing address, but if you wish you can send a scanned copy of the Partnership Agreement to me via e-mail if that is preferable.
We look forward to working with you on the Methane Challenge Program.
Best,
Carey
Ms. Carey Bylin
International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Humphrey, Charles [mailto:CHumphrey@semprautilities.com]

Sent: Friday, March 11, 2016 8:45 PM **To:** Bylin, Carey < Bylin. Carey@epa.gov >

Cc: Johnson, Darrell < DJohnson@semprautilities.com >; Navrozali, Hashim

<<u>HNavrozali@semprautilities.com</u>>; Haines, Deanna <<u>DHaines@semprautilities.com</u>>

Subject: Methane Challenge Program Interest

Importance: High

Carey,

I wanted to give you a heads up regarding Sempra Energy's proposed participation in the Methane Challenge. Both SoCalGas and SDGE plan to participate in the program. Additionally details will be provided next week.

Please advise if you have any questions. Thanks!

Charles Humphrey

Project Mgr II - GHG Programs

SoCalGas Environmental Programs

W: 213.244.5476 M: 213.248.7547

email: chumphrey@semprautilities.com

This email originated outside of Sempra Energy. Be cautious of attachments, web links, or requests for information.

This email originated outside of Sempra Energy. Be cautious of attachments, web links, or requests for information.

To: John St.Hilaire[jsthilaire@vermontgas.com]

Cc: Pryor, Justin[Pryor.Justin@epa.gov]; 'Elina Bouloubasis'[Elina.Bouloubasis@erg.com]

From: Bylin, Carey

Sent: Thur 3/24/2016 1:21:48 PM

Subject: RE: natural gas star methan challenge program

Hi John,

Thank you for following up. We are having the EPA representative sign all Partnership Agreements in the next few days and will be able to send back to you on Monday. I hope that will work?

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: John St. Hilaire [mailto:jsthilaire@vermontgas.com]

Sent: Wednesday, March 23, 2016 5:57 PM **To:** Bylin, Carey <Bylin.Carey@epa.gov>

Cc: Pryor, Justin < Pryor. Justin@epa.gov>; Franklin, Pamela < Franklin. Pamela@epa.gov>

Subject: Re: natural gas star methan challenge program

Hi Carey

I am checking to see if our file was signed and if i can get a copy of it.

Thanks,

John St.Hilaire

Vermont Gas systems, Inc.

From: Bylin, Carey < Bylin.Carey@epa.gov > Sent: Thursday, February 25, 2016 4:08 PM

To: John St. Hilaire

Cc: Pryor, Justin; Franklin, Pamela

Subject: RE: natural gas star methan challenge program

Hello John,

This is great! You are the first partner to send an MOU and we welcome you to the Methane Challenge Program. We will circulate this internally to secure a signature from our end, and will share with you the final document.

Will you or someone from your company be able to join us for the launch ceremony in Washington, DC on March 30? It is great to see that your commitment start date will be in April and that in this first year you will also be able to meet your commitment. As outlined in our supplemental technical information, a significant part of the excavation damages commitment is related to reporting key data on damages, and we would very much like to work with you and other founding partners as we develop the process for reporting supplemental data. We will be in touch as that process proceeds.

We very much look forward to working with you on this program.
Best,
Carey
Ms. Carey Bylin
International Programs Leader, Oil and Gas
Natural Gas STAR Program
Global Methane Initiative
U.S. Environmental Protection Agency
Phone: +1-202-343-9669
Visiting Address & Private Deliveries (courier, FedEx etc.)
1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: John St. Hilaire [mailto:jsthilaire@vermontgas.com]

Sent: Wednesday, February 24, 2016 3:17 PM

To: Bylin, Carey < Bylin. Carey@epa.gov>

Subject: RE: natural gas star methan challenge program

Hi Carey

Attached is Vermont Gas' application, I will send it in the mail tomorrow.

John

From: John St.Hilaire

Sent: Wednesday, February 24, 2016 11:23 AM

To: 'bylin.carey@epa.gov'

Subject: natural gas star methan challenge program

Hi Carey

Vermont Gas Systems, Inc would like to participate in the STAR methane challenge program. I will fill out the commitment form and mail it in. We will be committing to do Excavation Damages under NG Distribution.
Is there anything else that I need to do right away?
We will also start to create our implementation plan and will have that shortly. Do I submit the plan to you?
Thank you.
John St.Hilaire
VP Operations
Vermont Gas Systems, Inc.

To: Chahbazpour, Donald[Donald.Chahbazpour@nationalgrid.com]

Cc: Taft, Alexander G.[Sandy.Taft@nationalgrid.com]; Fleck,

Susan[Susan.Fleck@nationalgrid.com]

From: Bylin, Carey

Sent: Thur 3/24/2016 12:45:16 AM

Subject: Re: EXT || Thank You For Your Interest in the Natural Gas STAR Methane Challenge Program

Hi Don,

Okay, good to know. Thank you for the follow up. Look forward to seeing you next week.

Carey Bylin

On Mar 23, 2016, at 4:33 PM, Chahbazpour, Donald < <u>Donald.Chahbazpour@nationalgrid.com</u>> wrote:

Hi Carey,

If you are wondering why we did not select blow downs is that we needed more time with our Operations team to go through all the details and ascertain that we'll have all the appropriate equipment. I'm confident that we will pick it up next year.

Don

From: Bylin, Carey [mailto:Bylin.Carey@epa.gov]
Sent: Wednesday, March 23, 2016 3:07 PM

To: Fleck, Susan; 'Elina Bouloubasis'

Cc: Bennett, Thomas E.; Chahbazpour, Donald

Subject: RE: EXT || Thank You For Your Interest in the Natural Gas STAR Methane Challenge

Program

Sue,

Thank you for the follow up and for all your work on this. We have really appreciated National Grid's productive engagement as we developed the Methane Challenge Program, and we look forward to working with you on an on-going basis.

Wishing you a speedy recovery.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460

<image001.gif>

From: Fleck, Susan [mailto:Susan.Fleck@nationalgrid.com]

Sent: Wednesday, March 23, 2016 1:26 PM

To: Bylin, Carey < Bylin.Carey@epa.gov >; 'Elina Bouloubasis'

<Elina.Bouloubasis@erg.com>

Cc: Bennett, Thomas E. < Thomas.Bennett@nationalgrid.com >; Chahbazpour, Donald

<Donald.Chahbazpour@nationalgrid.com>

Subject: RE: EXT || Thank You For Your Interest in the Natural Gas STAR Methane

Challenge Program

Carey and Elina, I am so excited to be representing a founding member company and truly wish I could attend next week's kick off event. Sadly, (b)(6) personal privacy but I will be there in spirit. Sue

From: Chahbazpour, Donald

Sent: Wednesday, March 23, 2016 12:08 PM

To: 'Bylin, Carey'; 'Elina Bouloubasis'

Cc: Bennett, Thomas E.; Fleck, Susan; Medford, Ruth K.; 'pryor.justin@epa.gov'

Subject: RE: EXT | Thank You For Your Interest in the Natural Gas STAR Methane Challenge

Program

Importance: High

Carey and Elina,

National Grid is pleased to confirm that it will join EPA's Methane Challenge program as a founding partner. Attached please find the following two documents:

- 1. National Grid's signed partnership agreement.
- 2. Company bio for the event (I've also pasted it below).

Tom Bennett (CCed above), VP of Gas System Engineering, will represent National Grid at the event. I am also CCing Ruth Medford, Tom's Executive Assistant. Please provide her with the details of the launch event. Just a FYI, I will attend the conference as well.

Link to our company's website is https://www.nationalgridus.com

Please don't hesitate to contact me if you have any questions. Look forward to seeing you next week,

Don

Donald Chahbazpour Director, Climate Change Compliance nationalgrid One MetroTech Center, 14th Floor Brooklyn, NY 11201

Donald.Chahbazpour@nationalgrid.com

Tel: 929-324-4848 Mob (b)(6) personal privacy

Company Bio for the Methane Challenge Launch Event

National Grid is an energy company that connects nearly 21 million people to vital energy sources through its networks in New York, Massachusetts and Rhode Island. Through its U.S. Connect21 strategy, National Grid is transforming its electricity and natural gas networks to support the 21st century digital economy with smarter, cleaner and more resilient energy solutions. Connect21 is vital to our communities' long-term economic and environmental health and aligns with regulatory initiatives in the states it serves. Additionally, reducing methane emissions is an integral component of the company's overall climate change and sustainability strategy, and we are delighted to be a founding partner of the Methane Challenge Program.

----Original Message----

From: U.S. EPA's Natural Gas STAR Program [mailto:gasstar@erg.com]

Sent: Wednesday, March 16, 2016 5:15 PM

To: Chahbazpour, Donald

Subject: EXT || Thank You For Your Interest in the Natural Gas STAR Methane Challenge Program

Dear Don:

On behalf of the U.S. Environmental Protection Agency (EPA), I am pleased to hear of your interest in joining the Natural Gas STAR Methane Challenge Program as a founding partner. We will be officially launching this new program at the Global Methane Forum (GMF) at 10:00am on March 30, 2016 in Washington, D.C.

The launch event will be hosted by Janet McCabe, EPA's Acting Assistant Administrator for Air and Radiation. If you confirm your participation as a founding partner, we encourage you to attend this exciting event. We will recognize your company even if you are not able to participate in person. Please be aware of the following next steps:

- -By March 23, please contact us (see contact information below) to confirm that you will be joining as a founding partner, and provide your signed Partnership Agreement.
- o Provide us a short bio (approximately 75 words) describing your company, your commitments, and highlighting reasons for becoming a Methane Challenge partner.
- o If your company plans to attend the Launch Event, provide the name, title, and contact information of the person who will be representing your company at the event and, if different, the contact information for the individual coordinating your company?s participation at the event.
- -Also, by March 23, please provide a link to your company's website as well as the specific way your company should be listed on the Methane Challenge Program website.
- -Be sure to register for the GMF as soon as possible (http://globalmethane.org/forum/).

Please send the above information to myself and Elina Bouloubasis (elina.bouloubasis@erg.com). Once we receive confirmation of your participation, we will provide more specific details about the launch event agenda, which will include recognition of each partner and individual and group photos. Please note that due to time constraints, we do not anticipate that partner companies will be able to give individual remarks at the event.

As a new Methane Challenge Program partner, there are a few next steps to be aware of. Within six months after joining the Program, each partner must develop an Implementation Plan to provide details on their

planned participation, such as anticipated rate of progress, key milestones, and other relevant context. See the following Guidelines document for more information about how to develop an Implementation Plan: http://www3.epa.gov/gasstar/documents/MC IP Guidelines Final.pdf.

We will also be working with partners as we develop the Program's reporting system, and will be seeking input and feedback in the coming months. Finally, in an effort to further highlight our partners' accomplishments, we aim to work with partners to develop "Fact Sheets" that cover notable historical actions taken in advance of the Methane Challenge Program in efforts to mitigate methane emissions.

We encourage you to attend the full GMF event that will offer high-level plenary sessions on cross-cutting issues such as project financing, joint Global Methane Initiative (GMI)-Climate & Clean Air Coalition (CCAC) discussions on projects and policy, and ample opportunities for networking with methane experts in the public and private sectors from around the world. A draft agenda is available at http://globalmethane.org/forum/. We hope you are able to attend and participate in the sessions.

Please feel free to contact me or Justin Pryor (202-343-9258 or pryor.justin@epa.gov) with any questions you may have about the Methane Challenge Partnership. Please contact Elina Bouloubasis (703-373-0149 or elina.bouloubasis@erg.com) with any questions about the launch event. Thank you again for your support of the Methane Challenge Program and we hope to see you at the launch event in Washington, D.C.

Sincerely,

Ms. Carey Bylin U.S. Environmental Protection Agency 202-343-9669 bylin.carey@epa.gov

This e-mail, and any attachments are strictly confidential and intended for the addressee(s) only. The content may also contain legal, professional or other privileged information. If you are not the intended recipient, please notify the sender immediately and then delete the e-mail and any attachments. You should not disclose, copy or take any action in reliance on this transmission.

You may report the matter by contacting us via our <u>UK Contacts Page</u> or our <u>US Contacts Page</u> (accessed by clicking on the appropriate link)

Please ensure you have adequate virus protection before you open or detach any documents from this transmission. National Grid plc and its affiliates do not accept any liability for viruses. An e-mail reply to this address may be subject to monitoring for operational reasons or lawful business practices.

For the registered information on the UK operating companies within the National Grid group please use the attached link:

http://www.nationalgrid.com/corporate/legal/registeredoffices.htm

This e-mail, and any attachments are strictly confidential and intended for the addressee(s)

only. The content may also contain legal, professional or other privileged information. If you are not the intended recipient, please notify the sender immediately and then delete the e-mail and any attachments. You should not disclose, copy or take any action in reliance on this transmission.

You may report the matter by contacting us via our <u>UK Contacts Page</u> or our <u>US Contacts Page</u> (accessed by clicking on the appropriate link)

Please ensure you have adequate virus protection before you open or detach any documents from this transmission. National Grid plc and its affiliates do not accept any liability for viruses. An e-mail reply to this address may be subject to monitoring for operational reasons or lawful business practices.

For the registered information on the UK operating companies within the National Grid group please use the attached link:

http://www.nationalgrid.com/corporate/legal/registeredoffices.htm

To: Anand Yegnan (Services - 6)[Anand.Yegnan@dom.com]

Cc: 'Elina Bouloubasis'[Elina.Bouloubasis@erg.com]; Pryor, Justin[Pryor.Justin@epa.gov]

From: Bylin, Carey

Sent: Wed 3/23/2016 8:45:48 PM Subject: RE: Methane Challenge

Hi Anand,

My apologies that I just noticed that in my last message I inadvertently forwarded to you a communication from another company. I'd appreciate if you could delete that e-mail and use this one. Thank you!

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Bylin, Carey

Sent: Wednesday, March 23, 2016 4:44 PM

To: 'Anand Yegnan (Services - 6)' < Anand Yegnan@dom.com>

Cc: 'Elina Bouloubasis' <Elina.Bouloubasis@erg.com>; Pryor, Justin <Pryor.Justin@epa.gov>

Subject: Methane Challenge

Hello Anand,

Good talking to you just now. I apologize that you did not receive our e-mail last week – attached below is the content for your reference.

As mentioned, please reply stating your intention to join as a founding partner and indicating anticipated timeframes for sending the signed Partnership Agreement(s) and remaining information, as per the message below.

We look forward to working with you on this!

On behalf of the U.S. Environmental Protection Agency (EPA), I am pleased to hear of your interest in joining the Natural Gas STAR Methane Challenge Program as a founding partner. We will be officially launching this new program at the Global Methane Forum (GMF) at 10:00am on March 30, 2016 in Washington, D.C.

The launch event will be hosted by Janet McCabe, EPA's Acting Assistant Administrator for Air and Radiation. If you confirm your participation as a founding partner, we encourage you to attend this exciting event. We will recognize your company even if you are not able to

•□□□□□□□ By March 23, please contact us (see contact information below) to confirm that you will be joining as a founding partner, and provide your signed Partnership Agreement.
O Provide us a short bio (approximately 75 words) describing your company, your commitments, and highlighting reasons for becoming a Methane Challenge partner.
O If your company plans to attend the Launch Event, provide the name, title, and contact information of the person who will be representing your company at the event and, if different, the contact information for the individual coordinating your company's participation at the event.
•□□□□□□□ Also, by March 23, please provide a link to your company's website as well as the specific way your company should be listed on the Methane Challenge Program website.
• □ □ □ □ □ □ Be sure to register for the GMF as soon as possible (http://globalmethane.org/forum/).

participate in person. Please be aware of the following next steps:

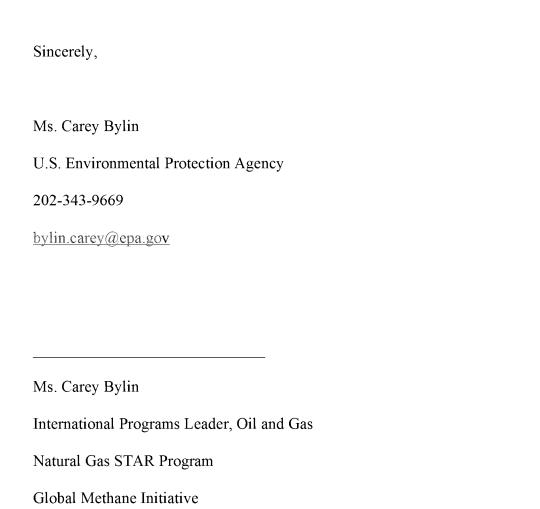
Please send the above information to myself and Elina Bouloubasis (<u>elina.bouloubasis@erg.com</u>). Once we receive confirmation of your participation, we will provide more specific details about the launch event agenda, which will include recognition of each partner and individual and group photos. Please note that due to time constraints, we do not anticipate that partner companies will be able to give individual remarks at the event.

As a new Methane Challenge Program partner, there are a few next steps to be aware of. Within six months after joining the Program, each partner must develop an Implementation Plan to provide details on their planned participation, such as anticipated rate of progress, key milestones, and other relevant context. See the following Guidelines document for more information about how to develop an Implementation Plan: http://www3.epa.gov/gasstar/documents/MC_IP_Guidelines_Final.pdf.

We will also be working with partners as we develop the Program's reporting system, and will be seeking input and feedback in the coming months. Finally, in an effort to further highlight our partners' accomplishments, we aim to work with partners to develop "Fact Sheets" that cover notable historical actions taken in advance of the Methane Challenge Program in efforts to mitigate methane emissions.

We encourage you to attend the full GMF event that will offer high-level plenary sessions on cross-cutting issues such as project financing, joint Global Methane Initiative (GMI)-Climate & Clean Air Coalition (CCAC) discussions on projects and policy, and ample opportunities for networking with methane experts in the public and private sectors from around the world. A draft agenda is available at http://globalmethane.org/forum/. We hope you are able to attend and participate in the sessions.

Please feel free to contact me or Justin Pryor (202-343-9258 or pryor.justin@epa.gov) with any questions you may have about the Methane Challenge Partnership. Please contact Elina Bouloubasis (703-373-0149 or elina.bouloubasis@erg.com) with any questions about the launch event. Thank you again for your support of the Methane Challenge Program and we hope to see you at the launch event in Washington, D.C.



U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



To: Anand Yegnan (Services - 6)[Anand.Yegnan@dom.com]

Cc: 'Elina Bouloubasis'[Elina.Bouloubasis@erg.com]; Pryor, Justin[Pryor.Justin@epa.gov]

From: Bylin, Carey

Sent: Wed 3/23/2016 8:43:45 PM

Subject: Methane Challenge

Hello Anand,

Good talking to you just now. I apologize that you did not receive our e-mail last week – attached below is the content for your reference.

As mentioned, please reply stating your intention to join as a founding partner and indicating anticipated timeframes for sending the signed Partnership Agreement(s) and remaining information, as per the message below.

We look forward to working with you on this!

On behalf of the U.S. Environmental Protection Agency (EPA), I am pleased to hear of your interest in joining the Natural Gas STAR Methane Challenge Program as a founding partner. We will be officially launching this new program at the Global Methane Forum (GMF) at 10:00am on March 30, 2016 in Washington, D.C.

The launch event will be hosted by Janet McCabe, EPA's Acting Assistant Administrator for Air and Radiation. If you confirm your participation as a founding partner, we encourage you to attend this exciting event. We will recognize your company even if you are not able to participate in person. Please be aware of the following next steps:

- □ □ □ □ □ □ By March 23, please contact us (see contact information below) to confirm that you will be joining as a founding partner, and provide your signed Partnership Agreement.
- o Provide us a short bio (approximately 75 words) describing your company, your commitments, and highlighting reasons for becoming a Methane Challenge partner.

information of the person who will be representing your company at the event and, if different, the contact information for the individual coordinating your company's participation at the event.
• □ □ □ □ □ □ Also, by March 23, please provide a link to your company's website as well as the specific way your company should be listed on the Methane Challenge Program website.
• □ □ □ □ □ □ Be sure to register for the GMF as soon as possible (http://globalmethane.org/forum/).

Please send the above information to myself and Elina Bouloubasis (<u>elina.bouloubasis@erg.com</u>). Once we receive confirmation of your participation, we will provide more specific details about the launch event agenda, which will include recognition of each partner and individual and group photos. Please note that due to time constraints, we do not anticipate that partner companies will be able to give individual remarks at the event.

As a new Methane Challenge Program partner, there are a few next steps to be aware of. Within six months after joining the Program, each partner must develop an Implementation Plan to provide details on their planned participation, such as anticipated rate of progress, key milestones, and other relevant context. See the following Guidelines document for more information about how to develop an Implementation Plan: http://www3.epa.gov/gasstar/documents/MC IP Guidelines Final.pdf.

We will also be working with partners as we develop the Program's reporting system, and will be seeking input and feedback in the coming months. Finally, in an effort to further highlight our partners' accomplishments, we aim to work with partners to develop "Fact Sheets" that cover notable historical actions taken in advance of the Methane Challenge Program in efforts to mitigate methane emissions.

We encourage you to attend the full GMF event that will offer high-level plenary sessions on cross-cutting issues such as project financing, joint Global Methane Initiative (GMI)-Climate & Clean Air Coalition (CCAC) discussions on projects and policy, and ample opportunities for networking with methane experts in the public and private sectors from around the world. A draft agenda is available at http://globalmethane.org/forum/. We hope you are able to attend and participate in the sessions.

Please feel free to contact me or Justin Pryor (202-343-9258 or pryor.justin@epa.gov) with any questions you may have about the Methane Challenge Partnership. Please contact Elina Bouloubasis (703-373-0149 or elina.bouloubasis@erg.com) with any questions about the launch event. Thank you again for your support of the Methane Challenge Program and we hope to see you at the launch event in Washington, D.C.

Sincerely,
Ms. Carey Bylin
U.S. Environmental Protection Agency
202-343-9669
bylin.carey@epa.gov

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Adams, Melissa E [mailto:MelissaAdams@washgas.com]

Sent: Thursday, March 17, 2016 7:46 AM **To:** Bylin, Carey < <u>Bylin.Carey@epa.gov</u>>

Cc: Monroe, Jim < <u>JMonroe@washgas.com</u>>; Kelly, Hillery A < <u>HKelly@washgas.com</u>>

Subject: RE: EPA Methane Challenge Question from Washington Gas

Hi Carey,

Just checking in as to whether there are any more details available regarding the launch event on the 30th. We are very excited about participation and would like to issue company announcements. By this email, I am connecting you with my Corporate Communications colleague, Jim Monroe who would like to follow up with a few questions.

Thanks and look forward to seeing you soon.

Melissa

From: Bylin, Carey [mailto:Bylin.Carey@epa.gov]

Sent: Monday, March 7, 2016 2:23 PM

To: Adams, Melissa E < Melissa Adams@washgas.com >

Cc: Pryor, Justin < Pryor. Justin@epa.gov>

Subject: RE: EPA Methane Challenge Question from Washington Gas

Melissa,

Good to speak with you just now. Per our discussion, please find attached the Word version of the Partnership Agreement and the Launch Fact Sheet. Please let me know if you have any other questions. We are very pleased that you plan to join as a founding partner and look forward to working with you on this.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Adams, Melissa E [mailto:MelissaAdams@washgas.com]

Sent: Thursday, March 03, 2016 11:35 AM

To: Bylin, Carey < Bylin. Carey@epa.gov > Subject: EPA Methane Challenge Question from Washington Gas
Hi Carey,
It was a pleasure meeting with you and Justin at AGA's Headquarters a few weeks ago. Thanks to you and your team for putting together this program to promote and showcase industry efforts to reduce methane emissions.
We are delighted to sign on to the Initiative and are currently finalizing our evaluations with regard to "tier" (determining whether we can participate at the System level or whether we will need to make it jurisdictional, i.e., by State regulatory franchise area). In the interim, I have a few questions on the program and logistics that I was hoping you can answer.
• Currently we plan to participate in three of the five Best Practices. If we want to add Blow down BPs (we will be collecting data during the next 18 months) can we add that at a later date?
• • • • • • • • • • • • • • • • • • •
• • • • • Do you know when we need to submit our Agreement and to whom?
• • • • • • • • • • • • • • • • • • •
•□□□□□□□□ Where exactly will the launch take place?
Thanks,
Melissa
Melissa E. Adams

Washington Gas

Div. Head, Corporate Social Responsibility & Sustainability

(703) 750-4530 Work

(703) 843-3664 Mobile

MelissaAdams@washgas.com

6801 Industrial Road

Springfield, VA 22151



To: McAnnally, Sid[Sid.McAnnally@onegas.com]

Cc: Pryor, Justin[Pryor.Justin@epa.gov]; 'Elina Bouloubasis'[Elina.Bouloubasis@erg.com]

From: Bylin, Carey

Sent: Wed 3/23/2016 7:38:51 PM

Subject: RE: Quick question - Methane Challenge

Hi Sid,

Thank you for checking in and great news on the Partnership Agreement. You can e-mail it to me. If you want to send a hard copy as well that is fine (and can also go to my attention). We look forward to working with you on this.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: McAnnally, Sid [mailto:Sid.McAnnally@onegas.com]

Sent: Wednesday, March 23, 2016 12:20 PM **To:** Bylin, Carey <Bylin.Carey@epa.gov> **Subject:** Quick question - Methane Challenge

Hi Carey -

We have the executed Agreement in hand – can we e-mail/overnight to you, or should it go to someone else?

Thanks for your guidance -

Sid

Sid McAnnally

Senior Vice President - Operations

Office: 918.947.7922 | Cell: 918.370.5571

sid.mcannally@onegas.com



CONFIDENTIALITY NOTICE: The information contained in this e-mail message and any attachments may be privileged, confidential, and/or protected from disclosure and is intended only for the use of the individual or entity

named. If the reader of the message is not the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this e-mail message is prohibited. If you have received this communication in error, please notify us immediately by e-mail, and delete the original message.

To: Fleck, Susan[Susan.Fleck@nationalgrid.com]; 'Elina

Bouloubasis'[Elina.Bouloubasis@erg.com]

Cc: Bennett, Thomas E.[Thomas.Bennett@nationalgrid.com]; Chahbazpour,

Donald[Donald.Chahbazpour@nationalgrid.com]

From: Bylin, Carey

Sent: Wed 3/23/2016 7:07:25 PM

Subject: RE: EXT || Thank You For Your Interest in the Natural Gas STAR Methane Challenge Program

Sue,

Thank you for the follow up and for all your work on this. We have really appreciated National Grid's productive engagement as we developed the Methane Challenge Program, and we look forward to working with you on an on-going basis.

Wishing you a speedy recovery.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Fleck, Susan [mailto:Susan.Fleck@nationalgrid.com]

Sent: Wednesday, March 23, 2016 1:26 PM

To: Bylin, Carey <Bylin.Carey@epa.gov>; 'Elina Bouloubasis' <Elina.Bouloubasis@erg.com>

Cc: Bennett, Thomas E. <Thomas.Bennett@nationalgrid.com>; Chahbazpour, Donald

<Donald.Chahbazpour@nationalgrid.com>

Subject: RE: EXT || Thank You For Your Interest in the Natural Gas STAR Methane Challenge

Program

Carey and Elina, I am so excited to be representing a founding member company and truly wish I could attend next week's kick off event. Sadly, (b)(6) personal privacy but will be there in spirit. Sue

From: Chahbazpour, Donald

Sent: Wednesday, March 23, 2016 12:08 PM

To: 'Bylin, Carey'; 'Elina Bouloubasis'

Cc: Bennett, Thomas E.; Fleck, Susan; Medford, Ruth K.; 'pryor.justin@epa.gov'

Subject: RE: EXT || Thank You For Your Interest in the Natural Gas STAR Methane Challenge Program

Importance: High

Carey and Elina,

National Grid is pleased to confirm that it will join EPA's Methane Challenge program as a founding partner. Attached please find the following two documents:

- 1. National Grid's signed partnership agreement.
- 2. Company bio for the event (I've also pasted it below).

Tom Bennett (CCed above), VP of Gas System Engineering, will represent National Grid at the event. I am also CCing Ruth Medford, Tom's Executive Assistant. Please provide her with the details of the launch event. Just a FYI, I will attend the conference as well.

Link to our company's website is https://www.nationalgridus.com

Please don't hesitate to contact me if you have any questions. Look forward to seeing you next week,

Don

Donald Chahbazpour
Director, Climate Change Compliance
nationalgrid
One MetroTech Center, 14th Floor
Brooklyn, NY 11201

Donald.Chahbazpour@nationalgrid.com

Tel: 929-324-4848 Mob: (b)(6) personal privacy

Company Bio for the Methane Challenge Launch Event

National Grid is an energy company that connects nearly 21 million people to vital energy sources through its networks in New York, Massachusetts and Rhode Island. Through its U.S. Connect21 strategy, National Grid is transforming its electricity and natural gas networks to support the 21st century digital economy with smarter, cleaner and more resilient energy solutions. Connect21 is vital to our communities' long-term economic and environmental health and aligns with regulatory initiatives in the states it serves. Additionally, reducing methane emissions is an integral component of the company's overall climate change and sustainability strategy, and we are delighted to be a founding partner of the Methane Challenge Program.

----Original Message----

From: U.S. EPA's Natural Gas STAR Program [mailto:gasstar@erg.com]

Sent: Wednesday, March 16, 2016 5:15 PM

To: Chahbazpour, Donald

Subject: EXT || Thank You For Your Interest in the Natural Gas STAR Methane Challenge Program

Dear Don:

On behalf of the U.S. Environmental Protection Agency (EPA), I am pleased to hear of your interest in joining the Natural Gas STAR Methane Challenge Program as a founding partner. We will be officially launching this new program at the Global Methane Forum (GMF) at 10:00am on March 30, 2016 in Washington, D.C.

The launch event will be hosted by Janet McCabe, EPA's Acting Assistant Administrator for Air and Radiation. If you confirm your participation as a founding partner, we encourage you to attend this exciting event. We will

recognize your company even if you are not able to participate in person. Please be aware of the following next steps:

- -By March 23, please contact us (see contact information below) to confirm that you will be joining as a founding partner, and provide your signed Partnership Agreement.
- o Provide us a short bio (approximately 75 words) describing your company, your commitments, and highlighting reasons for becoming a Methane Challenge partner.
- o If your company plans to attend the Launch Event, provide the name, title, and contact information of the person who will be representing your company at the event and, if different, the contact information for the individual coordinating your company?s participation at the event.
- -Also, by March 23, please provide a link to your company's website as well as the specific way your company should be listed on the Methane Challenge Program website.
- -Be sure to register for the GMF as soon as possible (http://globalmethane.org/forum/).

Please send the above information to myself and Elina Bouloubasis (elina.bouloubasis@erg.com). Once we receive confirmation of your participation, we will provide more specific details about the launch event agenda, which will include recognition of each partner and individual and group photos. Please note that due to time constraints, we do not anticipate that partner companies will be able to give individual remarks at the event.

As a new Methane Challenge Program partner, there are a few next steps to be aware of. Within six months after joining the Program, each partner must develop an Implementation Plan to provide details on their planned participation, such as anticipated rate of progress, key milestones, and other relevant context. See the following Guidelines document for more information about how to develop an Implementation Plan: http://www3.epa.gov/gasstar/documents/MC IP Guidelines Final.pdf.

We will also be working with partners as we develop the Program's reporting system, and will be seeking input and feedback in the coming months. Finally, in an effort to further highlight our partners' accomplishments, we aim to work with partners to develop "Fact Sheets" that cover notable historical actions taken in advance of the Methane Challenge Program in efforts to mitigate methane emissions.

We encourage you to attend the full GMF event that will offer high-level plenary sessions on cross-cutting issues such as project financing, joint Global Methane Initiative (GMI)-Climate & Clean Air Coalition (CCAC) discussions on projects and policy, and ample opportunities for networking with methane experts in the public and private sectors from around the world. A draft agenda is available at http://globalmethane.org/forum/. We hope you are able to attend and participate in the sessions.

Please feel free to contact me or Justin Pryor (202-343-9258 or pryor.justin@epa.gov) with any questions you may have about the Methane Challenge Partnership. Please contact Elina Bouloubasis (703-373-0149 or elina.bouloubasis@erg.com) with any questions about the launch event. Thank you again for your support of the Methane Challenge Program and we hope to see you at the launch event in Washington, D.C.

Sincerely,

Ms. Carey Bylin U.S. Environmental Protection Agency 202-343-9669 bylin.carey@cpa.gov This e-mail, and any attachments are strictly confidential and intended for the addressee(s) only. The content may also contain legal, professional or other privileged information. If you are not the intended recipient, please notify the sender immediately and then delete the e-mail and any attachments. You should not disclose, copy or take any action in reliance on this transmission.

You may report the matter by contacting us via our <u>UK Contacts Page</u> or our <u>US Contacts Page</u> (accessed by clicking on the appropriate link)

Please ensure you have adequate virus protection before you open or detach any documents from this transmission. National Grid plc and its affiliates do not accept any liability for viruses. An email reply to this address may be subject to monitoring for operational reasons or lawful business practices.

For the registered information on the UK operating companies within the National Grid group please use the attached link: http://www.nationalgrid.com/corporate/legal/registeredoffices.htm

To: Dickersbach, Melanie Carrow:(BSC)[Melanie.Dickersbach@exeloncorp.com];

elina.bouloubasis@erg.com[elina.bouloubasis@erg.com]

Cc: Heffron, Michael:(Exelon Utilities)[Michael.Heffron@exeloncorp.com]; Brady, William J:(BSC)[williamj.brady@exeloncorp.com]; Elsberg, Paul:(BSC)[Paul.Elsberg@exeloncorp.com]

From: Bylin, Carey

Sent: Wed 3/23/2016 1:19:29 PM

Subject: RE: Update: Natural Gas STAR Methane Challenge Program - Exelon

Hi Melanie.

I got your voicemail and just wanted to confirm that we received your Partnership Agreement and the correction on reflecting company name on the website. A more formal confirmation will come from Elina today (if that did not go out already).

Thank you and we very much look forward to working with you on the Methane Challenge Program.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Dickersbach, Melanie Carrow:(BSC) [mailto:Melanie.Dickersbach@exeloncorp.com]

Sent: Tuesday, March 22, 2016 12:31 PM

To: Bylin, Carey <Bylin.Carey@epa.gov>; elina.bouloubasis@erg.com

Cc: Heffron, Michael: (Exelon Utilities) < Michael. Heffron@exeloncorp.com>; Brady, William

J:(BSC) <williamj.brady@exeloncorp.com>; Elsberg, Paul:(BSC)

<Paul.Elsberg@exeloncorp.com>

Subject: Update: Natural Gas STAR Methane Challenge Program - Exelon

Hello Ms. Bylin and Ms. Bouloubasis,

Please see below one adjustment made with regard to the name that should appear on the Partner website.

The joining entity should be **Exelon Utilities** as opposed to Exelon Corporation.

My apologies for any inconvenience. Again please contact me should there be any questions or if additional information is needed.

Sincerely,

Melanie

From: Dickersbach, Melanie Carrow:(BSC) Sent: Tuesday, March 22, 2016 10:02 AM To: 'bylin.carey@epa.gov'; 'elina.bouloubasis@erg.com'

Cc: Heffron, Michael:(Exelon Utilities); Brady, William J.:(BSC); Elsberg, Paul:(BSC)

Subject: Natural Gas STAR Methane Challenge Program

Hello Ms. Bylin and Ms. Bouloubasis,

I am pleased to inform you that Exelon would like to join the Natural Gas STAR Methane Challenge Program as a founding partner. Per the attached partnership agreement, Exelon would like to make a commitment in the Natural Gas Distribution industry segment, based on its utilities' (BGE and PECO) combined natural gas system inventories. Exelon is committing to reach a 2% per year replacement rate for cast iron and unprotected steel mains by 2017 and maintain that 2% per year replacement rate for 5 years (through 2021). We also commit to replace or rehabilitate cast iron and unprotected steel services when the main is replaced or rehabilitated.

See below the addition information that was requested for those interested in joining:

Summary:

Exelon is the leading U.S. competitive energy provider and delivers natural gas to more than 1.1 million customers in central Maryland (through BGE) and southeastern Pennsylvania (through PECO). BGE and PECO have been Natural Gas STAR partners for more than 20 years, and Exelon is proud to be a founding partner of the Natural Gas STAR Methane Challenge Program. The company has accepted EPA's challenge by pledging to reduce methane emissions from the Exelon utilities' natural gas distribution systems. Exelon has committed to replace its utilities' combined inventory of cast/ductile iron and bare steel distribution mains at a minimum replacement rate of 2% per year by 2017 and to maintain this rate for at least five years. Exelon also has committed to replace cast iron and bare steel services when an associated main is replaced.

Company website: www.exeloncorp.com

Name to be listed on Methane Challenge Program website: Exelon Utilities Corporation (natural gas systems of BGE and PECO)

Person representing your company at the launch event:

Bill Brady, Director Corporate Environmental Strategy, (215) 841-3555

<u>Individual coordinating your company's participation at the launch event:</u>

Paul Elsberg, Sr. Manager External Communications, (312) 394-4879

Please contact me if there is any other information that is needed at this time, or an original of the partnership agreement needs to also be submitted by mail.

Sincerely,

Melanie Dickersbach

Climate and Environment Strategy Manager

Exelon Corporation

2301 Market Street S23-3

Philadelphia, PA 19103

Office: 215.841.6371 | Cell: 215.316.8426

melanie.dickersbach@exeloncorp.com www.exeloncorp.com

To: Brian Jones[bjones@mjbradley.com]
Cc: DeLuca, lsabel[DeLuca.lsabel@epa.gov]

From: Bylin, Carey

Sent: Wed 3/23/2016 1:03:35 PM

Subject: Re: Launch Event

Hi Brian, Isabel Deluca, copied, is our press contact.

Carey Bylin

On Mar 23, 2016, at 8:47 AM, Brian Jones < biones@mjbradley.com > wrote:

Thanks Carey. Who is the EPA press contact for the event?

Brian Jones 508-496-7807

On Mar 22, 2016, at 9:24 PM, Bylin, Carey < Bylin.Carey@epa.gov > wrote:

Okay, great, thank you for confirming. I'm not sure if you need a formal invite that you can forward, I've attached one below. Please let me know if you need more information, and thank you very much for your help with this.

Dear Brian,

On behalf of the US EPA, I would like to invite a representative of the Downstream Initiative to make opening remarks during our Methane Challenge launch ceremony on March 30, 2016 at the Global Methane Forum in Washington, DC. The launch event will be hosted by Janet McCabe, EPA's Acting Assistant Administrator for Air and Radiation, and will follow a plenary session "Different Approaches to Methane Policies", allowing EPA to highlight Methane Challenge as a significant new action to address US oil and gas methane emissions. The GMF agenda is available at the following link:

http://www.globalmethane.org/forum/docs/Draft CombinedAgenda.pdf#page=5.

We have appreciated the productive and collaborative engagement of Downstream Initiative and its partner companies as this Program was developed, and would value your participation at this event. The event agenda is provided below. Due to our strong founding partner turnout and time limitations of the event, we ask that you limit your remarks to five minutes.

Methane Challenge Program Launch Event

When: Wednesday, March 30, 2016, 10:00-10:45AM

Global Methane Forum Plenary Session, immediately following Policy Roundtable: Different Approaches to Methane Policies 08:30-10:00AM

*Reserved seating at the front of the room for Methane Challenge launch participants

Where: Georgetown University Hotel and Conference Center, Washington, DC

Agenda:

10:00 AM -10:05 AM Welcome remarks

Janet McCabe, Acting Assistant Administrator for Air and Radiation, US EPA

10:05 AM -10:15 AM Brief Remarks from Supportive Industry Associations

American Gas Association (AGA)

Downstream Initiative (invited)

10:15 AM - 10:35 AM Introduce Program Partners

Introduce each partner in alphabetical order.

Read brief partner statements (30 seconds pre partner) that summarizes the company's business and their planned commitment as a Methane Challenge partner. While the short company statement is being read, each partner representative walks on stage and shakes hands with Janet McCabe [pause for individual photo]

10:35 AM - 10:40 AM Closing remarks

10:40 AM - 10:45 AM Group Photo

Group photo (all companies) with Janet McCabe on the stage

Additionally, from 12:30 - 1:30 pm, there will be an informal opportunity for you to discuss the Methane Challenge with EPA representatives. The location will be announced at the Launch Event.

If you haven't yet registered for the Global Methane Forum, please do so as soon as possible at http://globalmethane.org/forum/. On the day of the event, staff will be available at the registration desk to answer questions and provide assistance.

Please feel free to contact me (202-343-9669 or <u>bylin.carey@epa.gov</u>) with any questions. We hope you will be able to join us at this important event.

Best regards,

Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460

<image001.gif>

From: Brian Jones [mailto:bjones@mjbradley.com]

Sent: Tuesday, March 22, 2016 4:23 PM **To:** Bylin, Carey < Bylin. Carey@epa.gov >

Subject: Launch Event

Hi Carey

Speaking on behalf of DSI will likely be Robert LaCount, Executive Vice President, MJB&A. Can you send along an "invite" to Downstream Initiative to participate and the draft agenda for the event?

Thanks

Brian

Brian M. Jones

Senior Vice President

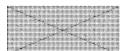
M.J. Bradley & Associates, LLC

47 Junction Square Drive

Concord, MA 01742

Main: 978-369-5533 | Direct: 978-405-1269

www.mjbradley.com



This transmission may contain information that is confidential or legally privileged and is intended solely for the addressee. If you are not the intended recipient, please do not use the information in this e-mail, including any attachment(s), in any way; delete this e-mail, and immediately contact the sender. Thank you for your cooperation.

To: McDonald, Andy[Andy.McDonald@mdu.com] From: Bylin, Carey Sent: Wed 3/23/2016 1:44:31 AM Subject: RE: Methane Challenge Founding Partner Andy, Thank you, and sorry again for the delay. We had sent the following information last week, but it occurs to me that it may not have gone to you. I wanted to make you aware of the following that we had communicated last week. You will see that there are several items we need by tomorrow, the 23rd. I'm not sure if that will be possible? On behalf of the U.S. Environmental Protection Agency (EPA), I am pleased to hear of your interest in joining the Natural Gas STAR Methane Challenge Program as a founding partner. We will be officially launching this new program at the Global Methane Forum (GMF) at 10:00am on March 30, 2016 in Washington, D.C. The launch event will be hosted by Janet McCabe, EPA's Acting Assistant Administrator for Air and Radiation. If you confirm your participation as a founding partner, we encourage you to attend this exciting event. We will recognize your company even if you are not able to participate in person. Please be aware of the following next steps: • \ By March 23, please contact us (see contact information below) to confirm that you will be joining as a founding partner, and provide your signed Partnership Agreement o Provide us a short bio (approximately 75 words) describing your company, your commitments, and highlighting reasons for becoming a Methane Challenge partner o If your company plans to attend the Launch Event, provide the name, title, and contact information of the person who will be representing your company at the event and, if different, the contact information for the individual coordinating your company's participation at the event

specific way your company should be listed on the Methane Challenge Program website

• • • • Be sure to register for the GMF as soon as possible

(http://globalmethane.org/forum/)

Please send the above information to myself and Elina Bouloubasis (<u>elina.bouloubasis@erg.com</u>). Once we receive confirmation of your participation, we will provide more specific details about the launch event agenda, which will include recognition of each partner and individual and group photos. Please note that due to time constraints, we do not anticipate that partner companies will be able to give individual remarks at the event.

As a new Methane Challenge Program partner, there are a few next steps to be aware of. Within six months after joining the Program, each partner must develop an Implementation Plan to provide details on their planned participation, such as anticipated rate of progress, key milestones, and other relevant context. See the following Guidelines document for more information about how to develop an Implementation Plan:

http://www3.epa.gov/gasstar/documents/MC IP Guidelines Final.pdf.

We will also be working with partners as we develop the Program's reporting system, and will be seeking input and feedback in the coming months. Finally, in an effort to further highlight our partners' accomplishments, we aim to work with partners to develop "Fact Sheets" that cover notable historical actions taken in advance of the Methane Challenge Program in efforts to mitigate methane emissions.

We encourage you to attend the full GMF event that will offer high-level plenary sessions on cross-cutting issues such as project financing, joint Global Methane Initiative (GMI)-Climate & Clean Air Coalition (CCAC) discussions on projects and policy, and ample opportunities for networking with methane experts in the public and private sectors from around the world. A draft agenda is available at http://globalmethane.org/forum/. We hope you are able to attend and participate in the sessions.

Please feel free to contact me or Justin Pryor (202-343-9258 or pryor.justin@epa.gov) with any questions you may have about the Methane Challenge Partnership. Please contact Elina Bouloubasis (703-373-0149 or elina.bouloubasis@erg.com) with any questions about the launch event. Thank you again for your support of the Methane Challenge Program and we hope to see you at the launch event in Washington, D.C.

Sincerely,



Ms. Carey Bylin

U.S. Environmental Protection Agency

202-343-9669

bylin.carey@epa.gov

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: McDonald, Andy [mailto:Andy.McDonald@mdu.com]

Sent: Tuesday, March 22, 2016 11:09 AM **To:** Bylin, Carey <Bylin.Carey@epa.gov>

Subject: RE: Methane Challenge Founding Partner

Carey,

I will confirm but I believe a few of our states are interested in becoming founding partners. Thank you. I will be in touch soon.

Andy McDonald

----Original Message----

From: Bylin, Carey [Bylin.Carey@epa.gov]

Sent: Tuesday, March 22, 2016 10:04 AM Central Standard Time

To: McDonald, Andy

Subject: RE: Methane Challenge Founding Partner

*** This is an EXTERNAL email. Exercise caution. ***

Hi Andy,

I am so sorry for the delay! Yes, there is no problem with you signing on as a founding partner by March 23rd. It sounds like it is still a possibility for you?

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: McDonald, Andy [mailto:Andy.McDonald@mdu.com]

Sent: Tuesday, March 22, 2016 11:00 AM **To:** Bylin, Carey < <u>Bylin.Carey@epa.gov</u>>

Subject: RE: Methane Challenge Founding Partner

Carey,

Did you hear anything back on our availability to still get in as founding partners if we can get our agreement signed by tomorrow? We appreciate you checking into the matter.

Andy McDonald

----Original Message-----From: McDonald, Andy

Sent: Wednesday, March 16, 2016 12:27 PM Central Standard Time

To: bylin.carey@epa.gov

Subject: Methane Challenge Founding Partner

Carey,

Is it too late in the process to get signed up as a founding partner? We also had a question as to how the membership will be viewed on your webpage. MDU has four different LDCs operating in eight states, so if we choose to sign up, it is my understanding that we can choose to sign up as an entire corporation, or individually on a state by state basis, correct? Another aspect of that would be if we choose to achieve our commitment goals as one corporation, do we have the option of listing each one of our four LDCs as a partner or founding partner?

If you have a few minutes to discuss, I can be reached at the telephone number listed below and would appreciate your guidance on these issues.

Andy McDonald

Environmental Scientist

Montana-Dakota Utilities Co.

400 N. 4th Street

Bismarck, ND 58501

Phone: 701-222-7941

Fax: 701-222-7845

To: Humphrey, Charles[CHumphrey@semprautilities.com]
Cc: Johnson, Darrell[DJohnson@semprautilities.com]; Navrozali,

Hashim[HNavrozali@semprautilities.com]

From: Bylin, Carey

Sent: Wed 3/23/2016 1:40:23 AM

Subject: RE: Methane Challenge Program Interest

Hi Charles.

Sorry for the second e-mail on this. We are sending out additional details on the launch event once we get the Partnership Agreements – it answers many questions about the launch so I'm forwarding per the below. I hope this helps.

Below is the Launch Event Agenda for an understanding of how the event will be structured.

Methane Challenge Program Launch Event

When: Wednesday, March 30, 2016, 10:00-10:45AM

Global Methane Forum Plenary Session, immediately following Policy Roundtable: Different Approaches to Methane Policies 08:30-10:00AM)

*Reserved seating at the front of the room for Methane Challenge Founding Partners.

Where: Georgetown University Hotel and Conference Center

Washington, DC

Agenda:

10:00 AM -10:05 AM Welcome remarks

Janet McCabe, Acting Assistant Administrator for Air and Radiation, US EPA

10:05 AM -10:15 AM Brief Remarks from Supportive Industry Associations

American Gas Association (AGA)

Downstream Initiative

10:15 AM - 10:35 AM Introduce Program Partners

Introduce each partner in alphabetical order.

Read brief partner statements (30 seconds pre partner) that summarizes the company's business and their planned commitment as a Methane Challenge partner. While the short company statement is being read, each partner representative walks on stage and shakes hands with Janet McCabe [pause for individual photo]

10:35 AM – 10:40 AM Closing remarks

10:40 AM - 10:45 AM Group Photo

Group photo (all companies) with Janet McCabe on the stage

Additionally, from 12:30 - 1:30 pm, there will be an informal opportunity for you to discuss the Methane Challenge with EPA representatives—we hope you can attend! (The location will be announced at the Launch Event.)

If you haven't yet registered for the Global Methane Forum, please do so as soon as possible at http://globalmethane.org/forum/. On the day of the event, staff will be available at the registration desk to answer questions and provide assistance.

Please feel free to contact Carey Bylin (202-343-9669 or bylin.carey@epa.gov) or Justin Pryor

(202-343-9258 or pryor.justin@epa.gov) with any questions about the Methane Challenge Partnership and contact Elina Bouloubasis (703-373-0149 or elina.bouloubasis@erg.com) with any questions about the launch event.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Humphrey, Charles [mailto:CHumphrey@semprautilities.com]

Sent: Tuesday, March 22, 2016 12:03 PM **To:** Bylin, Carey <Bylin.Carey@epa.gov>

Cc: Johnson, Darrell < DJohnson@semprautilities.com>; Navrozali, Hashim

<HNavrozali@semprautilities.com>

Subject: RE: Methane Challenge Program Interest

Hello Carey

I trust your week is going well... and getting busier with Methane Challenge activities!

I have a few clarifying questions regarding the form and the kickoff event.

- 1. I will be the Implementation Manager for our MC commitments (SoCalGas and SDGE), however, is the "Authorized Company Representative" to be signed by a higher ranking company official (in our case VP of Operations Support)... Kind of like a "Responsible Official"? Please advise.
- 2. Also regarding the commitment "start date" to be within 6 months of the 3/23/16 commitment date, or the 3/30/16 Program Kickoff date?
- 3. Finally, have you outlined any expectations of the company official at the Program Kickoff event... will they need to take photos, make any comments, share company info, etc.? I want to prep our VP appropriately for the environment.

Thanks for any assistance you can provide!

Charles Humphrey

Project Mgr II - GHG Programs

SoCalGas Environmental Programs

W: 213.244.5476 M: 213.248.7547

email: chumphrey@semprautilities.com

From: Bylin, Carey [mailto:Bylin.Carey@epa.gov] Sent: Tuesday, March 15, 2016 8:29 AM To: Humphrey, Charles Cc: Johnson, Darrell; Navrozali, Hashim; Haines, Deanna Subject: RE: Methane Challenge Program Interest
HI Charles,
Sorry for the delay in following up, I was out sick on Monday. This is great news, thank you for letting me know. We will be following up with additional details specific to your company's participation in the launch event, pending your final confirmation. Please note that we have revised our Partnership Agreement on the web to allow for modification of the source commitment table if needed:
https://www3.epa.gov/gasstar/documents/MC_Partnership_Agreement_Final.pdf.
Note that the Partnership Agreement only includes a mailing address, but if you wish you can send a scanned copy of the Partnership Agreement to me via e-mail if that is preferable.
We look forward to working with you on the Methane Challenge Program.
Best,
Carey
Ms. Carey Bylin
International Programs Leader, Oil and Gas
Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Humphrey, Charles [mailto:CHumphrey@semprautilities.com]

Sent: Friday, March 11, 2016 8:45 PM **To:** Bylin, Carey < Bylin. Carey@epa.gov>

Cc: Johnson, Darrell < DJohnson@semprautilities.com >; Navrozali, Hashim

<<u>HNavrozali@semprautilities.com</u>>; Haines, Deanna <<u>DHaines@semprautilities.com</u>>

Subject: Methane Challenge Program Interest

Importance: High

Carey,

I wanted to give you a heads up regarding Sempra Energy's proposed participation in the Methane Challenge. Both SoCalGas and SDGE plan to participate in the program. Additionally details will be provided next week.

Please advise if you have any questions. Thanks!

Charles Humphrey

Project Mgr II - GHG Programs

SoCalGas Environmental Programs

W: 213.244.5476 M: 213.248.7547

email: chumphrey@semprautilities.com

This email originated outside of Sempra Energy. Be cautious of attachments, web links, or requests for information.

To: Humphrey, Charles[CHumphrey@semprautilities.com]
Cc: Johnson, Darrell[DJohnson@semprautilities.com]; Navrozali,

Hashim[HNavrozali@semprautilities.com]

From: Bylin, Carey

Sent: Wed 3/23/2016 1:37:49 AM

Subject: RE: Methane Challenge Program Interest

Hi Charles,

This is great that you are close to joining. I've included answers to your questions below. Please let me know if you need anything else.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Humphrey, Charles [mailto:CHumphrey@semprautilities.com]

Sent: Tuesday, March 22, 2016 12:03 PM **To:** Bylin, Carey <Bylin.Carey@epa.gov>

Cc: Johnson, Darrell <DJohnson@semprautilities.com>; Navrozali, Hashim

<HNavrozali@semprautilities.com>

Subject: RE: Methane Challenge Program Interest

Hello Carey

I trust your week is going well... and getting busier with Methane Challenge activities!

I have a few clarifying questions regarding the form and the kickoff event.

- 1. I will be the Implementation Manager for our MC commitments (SoCalGas and SDGE), however, is the "Authorized Company Representative" to be signed by a higher ranking company official (in our case VP of Operations Support)... Kind of like a "Responsible Official"? Please advise. we leave it completely up to the companies to decide who is the right person to sign the document, thereby committing the company (voluntarily) to the Methane Challenge Program. We typically see that it is a more senior person, but it's completely up to the individual company.
- 2. Also regarding the commitment "start date" to be within 6 months of the 3/23/16 commitment date, or the 3/30/16 Program Kickoff date? You can make it to be within six months of 3/30/16.
- 3. Finally, have you outlined any expectations of the company official at the Program Kickoff event... will they need to take photos, make any comments, share company info, etc.? I want to prep our VP appropriately for the environment. we sent a note last week with the details of the event, did you get that?? The information is copied below.

On behalf of the U.S. Environmental Protection Agency (EPA), I am pleased to hear of your interest in joining the Natural Gas STAR Methane Challenge Program as a founding partner. We will be officially launching this new program at the Global Methane Forum (GMF) at 10:00am on March 30, 2016 in Washington, D.C.

and Radiation. If you confirm your participation as a founding partner, we encourage you to attend this exciting event. We will recognize your company even if you are not able to participate in person. Please be aware of the following next steps:
•□□□□□□□□ By March 23, please contact us (see contact information below) to confirm that you will be joining as a founding partner, and provide your signed Partnership Agreement
o Provide us a short bio (approximately 75 words) describing your company, your commitments, and highlighting reasons for becoming a Methane Challenge partner
O If your company plans to attend the Launch Event, provide the name, title, and contact information of the person who will be representing your company at the event and, if different, the contact information for the individual coordinating your company's participation at the event
• • • • Also, by March 23, please provide a link to your company's website as well as the specific way your company should be listed on the Methane Challenge Program website
•□□□□□□□ Be sure to register for the GMF as soon as possible (http://globalmethane.org/forum/)

The launch event will be hosted by Janet McCabe, EPA's Acting Assistant Administrator for Air

Please send the above information to myself and Elina Bouloubasis (<u>elina.bouloubasis@erg.com</u>). Once we receive confirmation of your participation, we will provide more specific details about the launch event agenda, which will include recognition of each partner and individual and group photos. Please note that due to time constraints, we do not anticipate that partner companies will be able to give individual remarks at the event.

As a new Methane Challenge Program partner, there are a few next steps to be aware of. Within six months after joining the Program, each partner must develop an Implementation Plan to provide details on their planned participation, such as anticipated rate of progress, key milestones, and other relevant context. See the following Guidelines document for more information about how to develop an Implementation Plan:

http://www3.epa.gov/gasstar/documents/MC IP Guidelines Final.pdf.

We will also be working with partners as we develop the Program's reporting system, and will be seeking input and feedback in the coming months. Finally, in an effort to further highlight our partners' accomplishments, we aim to work with partners to develop "Fact Sheets" that cover notable historical actions taken in advance of the Methane Challenge Program in efforts to mitigate methane emissions.

We encourage you to attend the full GMF event that will offer high-level plenary sessions on cross-cutting issues such as project financing, joint Global Methane Initiative (GMI)-Climate & Clean Air Coalition (CCAC) discussions on projects and policy, and ample opportunities for networking with methane experts in the public and private sectors from around the world. A draft agenda is available at http://globalmethane.org/forum/. We hope you are able to attend and participate in the sessions.

Please feel free to contact me or Justin Pryor (202-343-9258 or pryor.justin@epa.gov) with any questions you may have about the Methane Challenge Partnership. Please contact Elina Bouloubasis (703-373-0149 or elina.bouloubasis@erg.com) with any questions about the launch event. Thank you again for your support of the Methane Challenge Program and we hope to see you at the launch event in Washington, D.C.

Sincerely,

Ms. Carey Bylin

U.S. Environmental Protection Agency

202-343-9669

bylin.carey@epa.gov

Thanks for any assistance you can provide!

Charles Humphrey

Project Mgr II - GHG Programs

SoCalGas Environmental Programs

W: 213.244.5476 M: 213.248.7547

email: chumphrey@semprautilities.com

From: Bylin, Carey [mailto:Bylin.Carey@epa.gov]

Sent: Tuesday, March 15, 2016 8:29 AM

To: Humphrey, Charles

Cc: Johnson, Darrell; Navrozali, Hashim; Haines, Deanna **Subject:** RE: Methane Challenge Program Interest

HI Charles,

Sorry for the delay in following up, I was out sick on Monday. This is great news, thank you for letting me know. We will be following up with additional details specific to your company's participation in the launch event, pending your final confirmation. Please note that we have revised our Partnership Agreement on the web to allow for modification of the source commitment table if needed:

https://www3.epa.gov/gasstar/documents/MC Partnership Agreement Final.pdf.

Note that the Partnership Agreement only includes a mailing address, but if you wish you can send a scanned copy of the Partnership Agreement to me via e-mail if that is preferable.

We look forward to working with you on the Methane Challenge Program.

R	est	
1	~~·	

Carey

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Humphrey, Charles [mailto:CHumphrey@semprautilities.com]

Sent: Friday, March 11, 2016 8:45 PM **To:** Bylin, Carey < <u>Bylin.Carey@epa.gov</u>>

Cc: Johnson, Darrell < DJohnson@semprautilities.com >; Navrozali, Hashim

<<u>HNavrozali@semprautilities.com</u>>; Haines, Deanna <<u>DHaines@semprautilities.com</u>>

Subject: Methane Challenge Program Interest

Importance: High

Carey,

I wanted to give you a heads up regarding Sempra Energy's proposed participation in the Methane Challenge. Both SoCalGas and SDGE plan to participate in the program. Additionally details will be provided next week.

Please advise if you have any questions. Thanks!

Charles Humphrey

Project Mgr II - GHG Programs

SoCalGas Environmental Programs

W: 213.244.5476 M: 213.248.7547

email: chumphrey@semprautilities.com

This email originated outside of Sempra Energy. Be cautious of attachments, web links, or requests for information.

To: Brian Jones[bjones@mjbradley.com]

From: Bylin, Carey

Sent: Wed 3/23/2016 1:24:14 AM

Subject: RE: Launch Event

Okay, great, thank you for confirming. I'm not sure if you need a formal invite that you can forward, I've attached one below. Please let me know if you need more information, and thank you very much for your help with this.

Dear Brian,

On behalf of the US EPA, I would like to invite a representative of the Downstream Initiative to make opening remarks during our Methane Challenge launch ceremony on March 30, 2016 at the Global Methane Forum in Washington, DC. The launch event will be hosted by Janet McCabe, EPA's Acting Assistant Administrator for Air and Radiation, and will follow a plenary session "Different Approaches to Methane Policies", allowing EPA to highlight Methane Challenge as a significant new action to address US oil and gas methane emissions. The GMF agenda is available at the following link:

http://www.globalmethane.org/forum/docs/Draft CombinedAgenda.pdf#page=5.

We have appreciated the productive and collaborative engagement of Downstream Initiative and its partner companies as this Program was developed, and would value your participation at this event. The event agenda is provided below. Due to our strong founding partner turnout and time limitations of the event, we ask that you limit your remarks to five minutes.

Methane Challenge Program Launch Event

When: Wednesday, March 30, 2016, 10:00-10:45AM

Global Methane Forum Plenary Session, immediately following Policy Roundtable: Different Approaches to Methane Policies 08:30-10:00AM

Where:	Georgetown University Hotel and Conference Center, Washington, DC
Agenda:	
10:00 AM -10:0	5 AM Welcome remarks
Janet McCabe, A	Acting Assistant Administrator for Air and Radiation, US EPA
10:05 AM -10:1	5 AM Brief Remarks from Supportive Industry Associations
American Gas As	ssociation (AGA)
Downstream Init	'iative (invited)
10:15 AM - 10:3	35 AM Introduce Program Partners
Introduce each p	partner in alphabetical order.
and their planned statement is being	er statements (30 seconds pre partner) that summarizes the company's business d commitment as a Methane Challenge partner. While the short company g read, each partner representative walks on stage and shakes hands with Jane for individual photo]
10:35 AM – 10:4	40 AM Closing remarks

10:40 AM - 10:45 AM Group Photo

Group photo (all companies) with Janet McCabe on the stage

*Reserved seating at the front of the room for Methane Challenge launch participants

Additionally, from 12:30 - 1:30 pm, there will be an informal opportunity for you to discuss the Methane Challenge with EPA representatives. The location will be announced at the Launch Event.
If you haven't yet registered for the Global Methane Forum, please do so as soon as possible at http://globalmethane.org/forum/ . On the day of the event, staff will be available at the registration desk to answer questions and provide assistance.
Please feel free to contact me (202-343-9669 or bylin.carey@epa.gov) with any questions. We hope you will be able to join us at this important event.
Best regards,
Carey Bylin
International Programs Leader, Oil and Gas
Natural Gas STAR Program
Global Methane Initiative
U.S. Environmental Protection Agency
Ms. Carey Bylin
International Programs Leader, Oil and Gas
Natural Gas STAR Program
Global Methane Initiative

U.S. Environmental Protection Agency Phone: +1-202-343-9669 Visiting Address & Private Deliveries (courier, FedEx etc.) 1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004 U.S. Mail Address: Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460 **From:** Brian Jones [mailto:bjones@mjbradley.com] Sent: Tuesday, March 22, 2016 4:23 PM **To:** Bylin, Carey < Bylin. Carey@epa.gov> Subject: Launch Event Hi Carey Speaking on behalf of DSI will likely be Robert LaCount, Executive Vice President, MJB&A. Can you send along an "invite" to Downstream Initiative to participate and the draft agenda for the event? Thanks Brian

Brian M. Jones

Senior Vice President

M.J. Bradley & Associates, LLC

47 Junction Square Drive

Concord, MA 01742

Main: 978-369-5533 | Direct: 978-405-1269

www.mjbradley.com



This transmission may contain information that is confidential or legally privileged and is intended solely for the addressee. If you are not the intended recipient, please do not use the information in this e-mail, including any attachment(s), in any way; delete this e-mail, and immediately contact the sender. Thank you for your cooperation.

To: McDonald, Andy[Andy.McDonald@mdu.com]

From: Bylin, Carey

Sent: Tue 3/22/2016 3:04:34 PM

Subject: RE: Methane Challenge Founding Partner

Hi Andy,

I am so sorry for the delay! Yes, there is no problem with you signing on as a founding partner by March 23^{rd} . It sounds like it is still a possibility for you?

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: McDonald, Andy [mailto:Andy.McDonald@mdu.com]

Sent: Tuesday, March 22, 2016 11:00 AM **To:** Bylin, Carey <Bylin.Carey@epa.gov>

Subject: RE: Methane Challenge Founding Partner

Carey,

Did you hear anything back on our availability to still get in as founding partners if we can get our agreement signed by tomorrow? We appreciate you checking into the matter.

Andy McDonald

----Original Message-----From: McDonald, Andy

Sent: Wednesday, March 16, 2016 12:27 PM Central Standard Time

To: bylin.carey@epa.gov

Subject: Methane Challenge Founding Partner

Carey,

Is it too late in the process to get signed up as a founding partner? We also had a question as to how the membership will be viewed on your webpage. MDU has four different LDCs operating in eight states, so if we choose to sign up, it is my understanding that we can choose to sign up as an entire corporation, or individually on a state by state basis, correct? Another aspect of that would be if we choose to achieve our commitment goals as one corporation, do we have the option of listing each one of our four LDCs as a partner or founding partner?

If you have a few minutes to discuss, I can be reached at the telephone number listed below and would appreciate your guidance on these issues.

Andy McDonald

Environmental Scientist

Montana-Dakota Utilities Co.

400 N. 4th Street

Bismarck, ND 58501

Phone: 701-222-7941

Fax: 701-222-7845

From: Bylin, Carey Importance: Normal

Subject: FW: Methane Challenge Discussion Start Date/Time: Tue 3/22/2016 3:00:00 PM End Date/Time: Tue 3/22/2016 3:30:00 PM

Hi Nate,

Hope you are doing well. Just checking that you are planning to talk at 11a Eastern time (in 10 minutes)? My number is below.

----Original Appointment----

From: Bylin, Carey

Sent: Wednesday, March 16, 2016 12:59 PM

To: Bylin, Carey; Nate Teti

Subject: Methane Challenge Discussion

When: Tuesday, March 22, 2016 11:00 AM-11:30 AM (UTC-05:00) Eastern Time (US & Canada).

Where:

If this doesn't work, I'm available any time except 2:30-3:30p.

Please call me at 202-657-1932.

To: Miller, Glenn D.[glenn.miller@centerpointenergy.com]

From: Bylin, Carey

Sent: Tue 3/22/2016 2:45:33 PM

Subject: RE: Thank You For Your Interest in the Natural Gas STAR Methane Challenge Program

Hello Glenn,

That's great to here. The Partnership Agreement can be found on our website at https://www3.epa.gov/gasstar/documents/MC_Partnership_Agreement_Final.pdf.

Please let me know if you have any other questions.

Ms. Carey Bylin
International Programs Leader, Oil and Gas
Natural Gas STAR Program
Global Methane Initiative
U.S. Environmental Protection Agency
Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)
1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460

----Original Message-----

From: Miller, Glenn D. [mailto:glenn.miller@centerpointenergy.com]

Sent: Tuesday, March 22, 2016 9:43 AM To: Bylin, Carey <Bylin.Carey@epa.gov>

Subject: FW: Thank You For Your Interest in the Natural Gas STAR Methane Challenge Program

Ms. Carey,

I've been traveling the last few weeks and I am just now reviewing this email. CenterPoint Energy will be participating in this forum as well as becoming a charter member. Can you send me a copy of the partnership agreement please. I can't seem locate it .

Glenn D Miller CenterPoint Energy Mgr. Environmental Programs Natural Gas Operations O 612 861-8670 C 612 910-1299

----Original Message-----

From: U.S. EPA's Natural Gas STAR Program [mailto:gasstar@erg.com]

Sent: Wednesday, March 16, 2016 4:15 PM

To: Miller, Glenn D.

Subject: Thank You For Your Interest in the Natural Gas STAR Methane Challenge Program

Dear Glenn:

On behalf of the U.S. Environmental Protection Agency (EPA), I am pleased to hear of your interest in

joining the Natural Gas STAR Methane Challenge Program as a founding partner. We will be officially launching this new program at the Global Methane Forum (GMF) at 10:00am on March 30, 2016 in Washington, D.C.

The launch event will be hosted by Janet McCabe, EPA's Acting Assistant Administrator for Air and Radiation. If you confirm your participation as a founding partner, we encourage you to attend this exciting event. We will recognize your company even if you are not able to participate in person. Please be aware of the following next steps:

- -By March 23, please contact us (see contact information below) to confirm that you will be joining as a founding partner, and provide your signed Partnership Agreement.
- o Provide us a short bio (approximately 75 words) describing your company, your commitments, and highlighting reasons for becoming a Methane Challenge partner.
- o If your company plans to attend the Launch Event, provide the name, title, and contact information of the person who will be representing your company at the event and, if different, the contact information for the individual coordinating your company?s participation at the event.
- -Also, by March 23, please provide a link to your company's website as well as the specific way your company should be listed on the Methane Challenge Program website.
- -Be sure to register for the GMF as soon as possible (http://globalmethane.org/forum/).

Please send the above information to myself and Elina Bouloubasis (elina.bouloubasis@erg.com). Once we receive confirmation of your participation, we will provide more specific details about the launch event agenda, which will include recognition of each partner and individual and group photos. Please note that due to time constraints, we do not anticipate that partner companies will be able to give individual remarks at the event.

As a new Methane Challenge Program partner, there are a few next steps to be aware of. Within six months after joining the Program, each partner must develop an Implementation Plan to provide details on their planned participation, such as anticipated rate of progress, key milestones, and other relevant context. See the following Guidelines document for more information about how to develop an Implementation Plan: http://www3.epa.gov/gasstar/documents/MC_IP_Guidelines_Final.pdf.

We will also be working with partners as we develop the Program's reporting system, and will be seeking input and feedback in the coming months. Finally, in an effort to further highlight our partners' accomplishments, we aim to work with partners to develop "Fact Sheets" that cover notable historical actions taken in advance of the Methane Challenge Program in efforts to mitigate methane emissions.

We encourage you to attend the full GMF event that will offer high-level plenary sessions on cross-cutting issues such as project financing, joint Global Methane Initiative (GMI)-Climate & Clean Air Coalition (CCAC) discussions on projects and policy, and ample opportunities for networking with methane experts in the public and private sectors from around the world. A draft agenda is available at http://globalmethane.org/forum/. We hope you are able to attend and participate in the sessions.

Please feel free to contact me or Justin Pryor (202-343-9258 or pryor.justin@epa.gov) with any questions you may have about the Methane Challenge Partnership. Please contact Elina Bouloubasis (703-373-0149 or elina.bouloubasis@erg.com) with any questions about the launch event. Thank you again for your support of the Methane Challenge Program and we hope to see you at the launch event in Washington, D.C.

Sincerely,

Ms. Carey Bylin

U.S. Environmental Protection Agency 202-343-9669 bylin.carey@epa.gov

***** This email is from an external sender outside of the CenterPoint Energy network. Be cautious about clicking links or opening attachments from unknown sources. *****

To: matthew.hall@cmsenergy.com[matthew.hall@cmsenergy.com] From: Bylin, Carey Mon 3/21/2016 8:03:06 PM Sent: **Subject:** Methane Challenge Information Hi Matt, Good to talk to you just now. On behalf of the U.S. Environmental Protection Agency (EPA), I am pleased to hear of your interest in joining the Natural Gas STAR Methane Challenge Program as a founding partner. We will be officially launching this new program at the Global Methane Forum (GMF) at 10:00am on March 30, 2016 in Washington, D.C. The launch event will be hosted by Janet McCabe, EPA's Acting Assistant Administrator for Air and Radiation. If you confirm your participation as a founding partner, we encourage you to attend this exciting event. We will recognize your company even if you are not able to participate in person. Please be aware of the following next steps: • 🗆 🗆 🗆 🗆 By March 23, please contact us (see contact information below) to confirm that you will be joining as a founding partner, and provide your signed Partnership Agreement. o Provide us a short bio (approximately 75 words) describing your company, your commitments, and highlighting reasons for becoming a Methane Challenge partner. o If your company plans to attend the Launch Event, provide the name, title, and contact information of the person who will be representing your company at the event and, if different, the contact information for the individual coordinating your company's participation at the event specific way your company should be listed on the Methane Challenge Program website. • Be sure to register for the GMF as soon as possible (http://globalmethane.org/forum/). Please send the above information to myself and Elina Bouloubasis

(<u>elina.bouloubasis@erg.com</u>). Once we receive confirmation of your participation, we will provide more specific details about the launch event agenda, which will include recognition of each partner and individual and group photos. Please note that due to time constraints, we do not

ED_000761_0000704

anticipate that partner companies will be able to give individual remarks at the event.

As a new Methane Challenge Program partner, there are a few next steps to be aware of. Within six months after joining the Program, each partner must develop an Implementation Plan to provide details on their planned participation, such as anticipated rate of progress, key milestones, and other relevant context. See the following Guidelines document for more information about how to develop an Implementation Plan:

http://www3.epa.gov/gasstar/documents/MC IP Guidelines Final.pdf.

We will also be working with partners as we develop the Program's reporting system, and will be seeking input and feedback in the coming months. Finally, in an effort to further highlight our partners' accomplishments, we aim to work with partners to develop "Fact Sheets" that cover notable historical actions taken in advance of the Methane Challenge Program in efforts to mitigate methane emissions.

We encourage you to attend the full GMF event that will offer high-level plenary sessions on cross-cutting issues such as project financing, joint Global Methane Initiative (GMI)-Climate & Clean Air Coalition (CCAC) discussions on projects and policy, and ample opportunities for networking with methane experts in the public and private sectors from around the world. A draft agenda is available at http://globalmethane.org/forum/. We hope you are able to attend and participate in the sessions.

Please feel free to contact me or Justin Pryor (202-343-9258 or pryor.justin@epa.gov) with any questions you may have about the Methane Challenge Partnership. Please contact Elina Bouloubasis (703-373-0149 or elina.bouloubasis@erg.com) with any questions about the launch event. Thank you again for your support of the Methane Challenge Program and we hope to see you at the launch event in Washington, D.C.

Sincerely,

Ms. Carey Bylin

U.S. Environmental Protection Agency

202-343-9669

bylin.carey@epa.gov

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



To: Brian Jones[bjones@mjbradley.com]

From: Bylin, Carey

Sent: Fri 3/18/2016 7:42:50 PM **Subject:** RE: DSI Meeting April 7-8

HI Brian,

Great, thanks. Yes, Tuesday works. How about sometime between 11:30a and 2:30p?

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Brian Jones [mailto:bjones@mjbradley.com]

Sent: Friday, March 18, 2016 3:28 PM To: Bylin, Carey <Bylin.Carey@epa.gov> Subject: RE: DSI Meeting April 7-8

Hi Carey

Yes, we would be happy to participate in the event. Lets discuss in more detail next week – how does Tuesday look for you?

Thanks

Brian

Brian M. Jones

Senior Vice President

M.J. Bradley & Associates, LLC

47 Junction Square Drive

Concord, MA 01742

Main: 978-369-5533 | Direct: 978-405-1269

www.mjbradley.com



This transmission may contain information that is confidential or legally privileged and is intended solely for the addressee. If you are not the intended recipient, please do not use the information in this e-mail,

including any attachment(s), in any way; delete this e-mail, and immediately contact the sender. Thank you for your cooperation.

From: Bylin, Carey [mailto:Bylin.Carey@epa.gov]

Sent: Friday, March 18, 2016 3:20 PM
To: Brian Jones

Subject: RE: DSI Meeting April 7-8

Hi Brian.

Yes, touching base next week would be good, probably best for me in the first half of the week if possible.

Also, we had previously talked about an MJ Bradley/DSI rep possibly participating in the Methane Challenge launch. WE would like to take you up on that. Would you or someone else be able to give a five minute presentation at the launch? Apologies for the very short length of your remarks, we are quite tight on time for the event, but would very much appreciate your participation if you are willing.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.) 1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004 U.S. Mail Address: Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460 From: Brian Jones [mailto:bjones@mjbradley.com] Sent: Friday, March 18, 2016 1:49 PM **To:** Bylin, Carey < Bylin. Carey@epa.gov> Subject: RE: DSI Meeting April 7-8 Hi Carey Both sound good actually. I will reach out to DSI members and see how deep they are interested in going on the technical issues. Should we plan on touching base next week? Thanks Brian Brian M. Jones Senior Vice President M.J. Bradley & Associates, LLC

47 Junction Square Drive

Concord, MA 01742

Main: 978-369-5533 | Direct: 978-405-1269

www.mjbradley.com



This transmission may contain information that is confidential or legally privileged and is intended solely for the addressee. If you are not the intended recipient, please do not use the information in this e-mail, including any attachment(s), in any way; delete this e-mail, and immediately contact the sender. Thank you for your cooperation.

From: Bylin, Carey [mailto:Bylin.Carey@epa.gov]

Sent: Tuesday, March 15, 2016 1:22 PM
To: Brian Jones

Subject: RE: DSI Meeting April 7-8

HI Brian.

Yes, that's great, I will put it in my calendar. How would you like to finalize my portion of the discussion? We'd talked about it being about Program implementation (e.g. next steps on reporting database development, our plans for incorporating historical data, etc.) and/or technical issues (e.g. blowdowns, other topics (?)). If the latter we'd have to frame it pretty clearly in advance to make sure we have the right understanding/experts on our end. Do you want to talk to your members and see what would be of most interest to them?

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Brian Jones [mailto:bjones@mjbradley.com]

Sent: Tuesday, March 15, 2016 12:16 PM
To: Bylin, Carey < Bylin, Carey@epa.gov >
Subject: RE: DSI Meeting April 7-8

Hi Carey,

I heard back from Anne in Paul's office that the best time for him is 9-11 on April 8. Does that work for you?

Thanks
Brian
From: Bylin, Carey [mailto:Bylin.Carey@epa.gov] Sent: Tuesday, March 08, 2016 9:08 PM To: Brian Jones Subject: RE: DSI Meeting April 7-8
Hi Brian,
Okay, technical and high-level discussions sound good. These days both work for me and at this point I don't have a preference. Yes if you don't mind reaching out to Paul that would be great. He and I can coordinate and his availability will likely drive which day we do.
Ms. Carey Bylin
International Programs Leader, Oil and Gas
Natural Gas STAR Program
Global Methane Initiative
U.S. Environmental Protection Agency
Phone: +1-202-343-9669
Visiting Address & Private Deliveries (courier, FedEx etc.)
1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Brian Jones [mailto:bjones@mjbradley.com]

Sent: Wednesday, March 02, 2016 5:23 PM
To: Bylin, Carey < Bylin. Carey@epa.gov >
Subject: RE: DSI Meeting April 7-8

Hi Carey,

Great, thanks. Yes, I think it makes sense to have both a high level discussion and a more technical one as well. I think a two hour time slot should be good.

Let me know which day is best – again the format this time around is a half day 11-4 on April 7th and 9-12 on April 8.

Please let me know if it would be easier if I reached out to Paul directly.

Thanks

Brian

From: Bylin, Carey [mailto:Bylin.Carey@epa.gov]

Sent: Tuesday, March 01, 2016 3:39 PM
To: Brian Jones < bjones@mjbradley.com >
Subject: RE: DSI Meeting April 7-8

Hi Brian,

Yes, of course we appreciate the invitation and would be interested in participating. Would you want to hear something more high-level from Paul? Or would you want to take the opportunity to have a more technical discussion? Or both? We would be open to either.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Brian Jones [mailto:bjones@mjbradley.com]

Sent: Monday, February 29, 2016 5:13 PM

To: Bylin, Carey < Bylin. Carey@epa.gov >

Subject: DSI Meeting April 7-8

Hi Carey

I am doing some planning for our upcoming DSI meeting April 7-8. The format this time around is a half day 11-4 on April 7th and 9-12 on April 8. We would love to have you and the team attend once again – Methane Challenge, methane strategy etc. Please let me know what you think and if one of those days works better.

Thanks

Brian

Brian M. Jones

Senior Vice President

M.J. Bradley & Associates, LLC

47 Junction Square Drive

Concord, MA 01742

Main: 978-369-5533 | Direct: 978-405-1269

www.mjbradley.com



This transmission may contain information that is confidential or legally privileged and is intended solely for the addressee. If you are not the intended recipient, please do not use the information in this e-mail, including any attachment(s), in any way; delete this e-mail, and immediately contact the sender. Thank you for your cooperation.

To: Brian Jones[bjones@mjbradley.com]

From: Bylin, Carey

Sent: Fri 3/18/2016 7:19:32 PM **Subject:** RE: DSI Meeting April 7-8

Hi Brian,

Yes, touching base next week would be good, probably best for me in the first half of the week if possible.

Also, we had previously talked about an MJ Bradley/DSI rep possibly participating in the Methane Challenge launch. WE would like to take you up on that. Would you or someone else be able to give a five minute presentation at the launch? Apologies for the very short length of your remarks, we are quite tight on time for the event, but would very much appreciate your participation if you are willing.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



www.mjbradley.com

From: Brian Jones [mailto:bjones@mjbradley.com] Sent: Friday, March 18, 2016 1:49 PM **To:** Bylin, Carey <Bylin.Carey@epa.gov> Subject: RE: DSI Meeting April 7-8 Hi Carey Both sound good actually. I will reach out to DSI members and see how deep they are interested in going on the technical issues. Should we plan on touching base next week? Thanks Brian Brian M. Jones Senior Vice President M.J. Bradley & Associates, LLC 47 Junction Square Drive Concord, MA 01742 Main: 978-369-5533 | Direct: 978-405-1269



This transmission may contain information that is confidential or legally privileged and is intended solely for the addressee. If you are not the intended recipient, please do not use the information in this e-mail, including any attachment(s), in any way; delete this e-mail, and immediately contact the sender. Thank you for your cooperation.

From: Bylin, Carey [mailto:Bylin.Carey@epa.gov]

Sent: Tuesday, March 15, 2016 1:22 PM
To: Brian Jones < bjones@mjbradley.com >
Subject: RE: DSI Meeting April 7-8

HI Brian,

Yes, that's great, I will put it in my calendar. How would you like to finalize my portion of the discussion? We'd talked about it being about Program implementation (e.g. next steps on reporting database development, our plans for incorporating historical data, etc.) and/or technical issues (e.g. blowdowns, other topics (?)). If the latter we'd have to frame it pretty clearly in advance to make sure we have the right understanding/experts on our end. Do you want to talk to your members and see what would be of most interest to them?

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Brian Jones [mailto:bjones@mjbradley.com]

Sent: Tuesday, March 15, 2016 12:16 PM
To: Bylin, Carey < Bylin.Carey@epa.gov >
Subject: RE: DSI Meeting April 7-8

Hi Carey,

I heard back from Anne in Paul's office that the best time for him is 9-11 on April 8. Does that work for you?

Thanks

Brian

From: Bylin, Carey [mailto:Bylin.Carey@epa.gov]

Sent: Tuesday, March 08, 2016 9:08 PM

To: Brian Jones < <u>bjones@mjbradley.com</u>> Subject: RE: DSI Meeting April 7-8 Hi Brian, Okay, technical and high-level discussions sound good. These days both work for me and at this point I don't have a preference. Yes if you don't mind reaching out to Paul that would be great. He and I can coordinate and his availability will likely drive which day we do. Ms. Carey Bylin International Programs Leader, Oil and Gas Natural Gas STAR Program Global Methane Initiative U.S. Environmental Protection Agency Phone: +1-202-343-9669 Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Brian Jones [mailto:bjones@mjbradley.com]

Sent: Wednesday, March 02, 2016 5:23 PM
To: Bylin, Carey < Bylin. Carey@epa.gov >
Subject: RE: DSI Meeting April 7-8

Hi Carey,

Great, thanks. Yes, I think it makes sense to have both a high level discussion and a more technical one as well. I think a two hour time slot should be good.

Let me know which day is best – again the format this time around is a half day 11-4 on April 7th and 9-12 on April 8.

Please let me know if it would be easier if I reached out to Paul directly.

Thanks

Brian

From: Bylin, Carey [mailto:Bylin.Carey@epa.gov]

Sent: Tuesday, March 01, 2016 3:39 PM
To: Brian Jones < bjones@mjbradley.com >
Subject: RE: DSI Meeting April 7-8

Hi Brian,

Yes, of course we appreciate the invitation and would be interested in participating. Would you

want to hear something more high-level from Paul? Or would you want to take the opportunity to have a more technical discussion? Or both? We would be open to either.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Brian Jones [mailto:bjones@mjbradley.com]

Sent: Monday, February 29, 2016 5:13 PM **To:** Bylin, Carey <<u>Bylin.Carey@epa.gov</u>>

Subject: DSI Meeting April 7-8

Hi Carey

I am doing some planning for our upcoming DSI meeting April 7-8. The format this time around is a half day 11-4 on April 7th and 9-12 on April 8. We would love to have you and the team attend once again – Methane Challenge, methane strategy etc. Please let me know what you think and if one of those days works better.

Thanks

Brian

Brian M. Jones

Senior Vice President

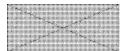
M.J. Bradley & Associates, LLC

47 Junction Square Drive

Concord, MA 01742

Main: 978-369-5533 | Direct: 978-405-1269

www.mjbradley.com



This transmission may contain information that is confidential or legally privileged and is intended solely for the addressee. If you are not the intended recipient, please do not use the information in this e-mail, including any attachment(s), in any way; delete this e-mail, and immediately contact the sender. Thank you for your cooperation.

Bylin, Carey From: Thur 3/17/2016 6:09:48 PM Sent: Subject: RE: Methane Challenge definition of Distribution Blowdowns Okay, sounds good, glad that clarified it. We appreciate your efforts to sort this out. Best, Carey Ms. Carey Bylin International Programs Leader, Oil and Gas Natural Gas STAR Program Global Methane Initiative U.S. Environmental Protection Agency Phone: +1-202-343-9669 Visiting Address & Private Deliveries (courier, FedEx etc.) 1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460

Patni, Sonal[S1PW@pge.com]; Howe, James[JYHC@pge.com]

To:

U.S. Mail Address:



From: Patni, Sonal [mailto:S1PW@pge.com] Sent: Thursday, March 17, 2016 1:13 PM

To: Bylin, Carey <Bylin.Carey@epa.gov>; Howe, James <JYHC@pge.com>

Subject: RE: Methane Challenge definition of Distribution Blowdowns

Thanks Carey! The definition matches the SubPart W. Based on how PG&E defines transmission (>60psig), we could also report under distribution blowdowns. For consistency, we will just continue to report these assets under transmission for both SubPart W and the Methane Challenge. Thanks again!!

Sonal Patni

PG&E | Gas Regulatory Strategy | Gas Regulatory Specialist 6121 Bollinger Canyon Rd Bldg Z, San Ramon, CA 94583 Ofc: 925-328-5778 | Cell: 925-817-7075 | s1pw@pge.com

Think and Act Safely

From: Bylin, Carey [mailto:Bylin.Carey@epa.gov]
Sent: Wednesday, March 16, 2016 5:37 PM

To: Patni, Sonal; Howe, James

Subject: RE: Methane Challenge definition of Distribution Blowdowns

Alert: This message originated outside of PG&E. Use caution when opening attachments, clicking links or responding to requests for information.

Hi Sonal and Jim.

Thank you for following up on this. I'm not sure how the Methane Challenge facility definitions are different from Subpart W facility definitions; that was certainly not our intention. I've copied

the definitions from our final Supplementary Technical Information documents below for reference. We welcome more specific feedback on the referenced inconsistency if we need to make a change.

Is the issue that PG&E is a distribution company but your >60 pipeline is a transmission pipeline? For us it is fine of you commit to some sources in the distribution segment and others (pipeline blowdowns) in the transmission segment. Note that we have now finalized technical details for transmission pipeline blowdowns (please see https://www3.epa.gov/gasstar/documents/MC_Onshore_Supp_Tech_Info.pdf). The transmission/distribution blowdown commitments are very similar; the main difference comes in the reporting table, since transmission pipeline blowdowns are now reported under Subpart W and distribution pipeline blowdowns are not.

I'm not sure if I've clarified the issue. I'm happy to have another call if needed.

Natural Gas Distribution Segment and Facility Definition

For purposes of the Methane Challenge Program, natural gas distribution means the distribution pipelines and metering and regulating equipment at metering-regulating stations that are operated by a Local Distribution Company (LDC) within a single state that is regulated as a separate operating company by a public utility commission or that is operated as an independent municipally-owned distribution system. This segment also excludes customer meters and regulators, infrastructure, and pipelines (both interstate and intrastate) delivering natural gas directly to major industrial users and farm taps upstream of the local distribution company inlet.

A natural gas distribution facility for the purposes of reporting under the Methane Challenge is the collection of all distribution pipelines and metering-regulating stations that are operated by an LDC within a single state that is regulated as a separate operating company by a public utility commission or that are operated as an independent municipally-owned distribution system.

Onshore Natural Gas Transmission Pipeline

For purposes of the Methane Challenge Program, onshore natural gas transmission pipeline means all natural gas pipelines that are a Federal Energy Regulatory Commission rate-regulated Interstate pipeline, a state rate-regulated Intrastate pipeline, or a pipeline that falls under the "Hinshaw Exemption" as referenced in section 1(c) of the Natural Gas Act, 15 I.S.C. 717-

717(w)(1994).

An onshore natural gas transmission pipeline facility for the purpose of reporting under the Methane Challenge is the total U.S. mileage of natural gas transmission pipelines owned or operated by an onshore natural gas transmission pipeline owner or operator. If an owner or operator has multiple pipelines in the United States, the facility is considered the aggregate of those pipelines, even if they are not interconnected.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Patni, Sonal [mailto:S1PW@pge.com]

Sent: Monday, March 14, 2016 12:21 PM

To: Bylin, Carey < <u>Bylin.Carey@epa.gov</u>>; Howe, James < <u>JYHC@pge.com</u>>

Subject: Methane Challenge definition of Distribution Blowdowns

Hi Carey,

Thanks again for chatting with both Jim and I last week about the methane challenge. I followed up with gas reporting and we are hoping you could provide some clarification on where we should report our transmission blowdowns. As I mentioned last week, PG&E defines transmission as over 60psi. Below are the comments provided from our reporting team. Thanks Carey!

"The Methane Challenge definition of a distribution system is not consistent with Subpart W.

Subpart W references 49 CFR 192.3 to define a distribution pipeline (i.e. a pipeline other than a gathering or transmission pipeline) and the transmission pipeline definition in Subpart W as follows:

"... a Federal Energy Regulatory Commission rate-regulated Interstate pipeline, a state rate-regulated Intrastate pipeline, or a pipeline that falls under the "Hinshaw Exemption" as referenced in section 1(c) of the Natural Gas Act, 15 U.S.C. 717-717 (w)(1994)."

Our transmission line is state rate-regulated intrastate pipeline and is based upon the >60 psi threshold."

Sonal Patni

PG&E| Gas Regulatory Strategy | Gas Regulatory Specialist 6121 Bollinger Canyon Rd Bldg Z, San Ramon, CA 94583 Ofc: 925-328-5778 | Cell: 925-817-7075 | s1pw@pge.com

Think and Act Safely

To: Adams, Melissa E[MelissaAdams@washgas.com]

Cc: Monroe, Jim[JMonroe@washgas.com]; Kelly, Hillery A[HKelly@washgas.com]; Pryor,

Justin[Pryor.Justin@epa.gov]

From: Bylin, Carey

Sent: Thur 3/17/2016 1:23:56 PM

Subject: RE: EPA Methane Challenge Question from Washington Gas

Hi Melissa.

Thank you for following up on this. We had actually tried to send you an e-mail on this yesterday but for some reason we got a bounceback. See below for that information. I hope this answers your questions but if not please let me know.

Dear Melissa:

On behalf of the U.S. Environmental Protection Agency (EPA), I am pleased to hear of your interest in joining the Natural Gas STAR Methane Challenge Program as a founding partner. We will be officially launching this new program at the Global Methane Forum (GMF) at 10:00am on March 30, 2016 in Washington, D.C.

The launch event will be hosted by Janet McCabe, EPA's Acting Assistant Administrator for Air and Radiation. If you confirm your participation as a founding partner, we encourage you to attend this exciting event. We will recognize your company even if you are not able to participate in person. Please be aware of the following next steps:

- □ □ □ □ □ □ By March 23, please contact us (see contact information below) to confirm that you will be joining as a founding partner, and provide your signed Partnership Agreement.
- o Provide us a short bio (approximately 75 words) describing your company, your commitments, and highlighting reasons for becoming a Methane Challenge partner.
- o If your company plans to attend the Launch Event, provide the name, title, and contact information of the person who will be representing your company at the event and, if different, the contact information for the individual coordinating your company's participation at the event.

• 🗆 🗅 🗅 🗅 Also, by March 23, please provide a link to your company's website as well as the
specific way your company should be listed on the Methane Challenge Program website.
•□□□□□□□ Be sure to register for the GMF as soon as possible
(http://globalmethane.org/forum/).

Please send the above information to myself and Elina Bouloubasis (<u>elina.bouloubasis@erg.com</u>). Once we receive confirmation of your participation, we will provide more specific details about the launch event agenda, which will include recognition of each partner and individual and group photos. Please note that due to time constraints, we do not anticipate that partner companies will be able to give individual remarks at the event.

As a new Methane Challenge Program partner, there are a few next steps to be aware of. Within six months after joining the Program, each partner must develop an Implementation Plan to provide details on their planned participation, such as anticipated rate of progress, key milestones, and other relevant context. See the following Guidelines document for more information about how to develop an Implementation Plan: http://www3.epa.gov/gasstar/documents/MC_IP_Guidelines_Final.pdf.

We will also be working with partners as we develop the Program's reporting system, and will be seeking input and feedback in the coming months. Finally, in an effort to further highlight our partners' accomplishments, we aim to work with partners to develop "Fact Sheets" that cover notable historical actions taken in advance of the Methane Challenge Program in efforts to mitigate methane emissions.

We encourage you to attend the full GMF event that will offer high-level plenary sessions on cross-cutting issues such as project financing, joint Global Methane Initiative (GMI)-Climate & Clean Air Coalition (CCAC) discussions on projects and policy, and ample opportunities for networking with methane experts in the public and private sectors from around the world. A draft agenda is available at http://globalmethane.org/forum/. We hope you are able to attend and participate in the sessions.

Please feel free to contact me or Justin Pryor (202-343-9258 or pryor.justin@epa.gov) with any questions you may have about the Methane Challenge Partnership. Please contact Elina Bouloubasis (703-373-0149 or elina.bouloubasis@erg.com) with any questions about the launch event. Thank you again for your support of the Methane Challenge Program and we hope to see

you at the launch event in Washington, D.C.
Sincerely,
Ms. Carey Bylin
U.S. Environmental Protection Agency
202-343-9669
bylin.carey@epa.gov
Ms. Carey Bylin
International Programs Leader, Oil and Gas
Natural Gas STAR Program
Global Methane Initiative
U.S. Environmental Protection Agency
Phone: +1-202-343-9669
Visiting Address & Private Deliveries (courier, FedEx etc.)
1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004
U.S. Mail Address:
Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Adams, Melissa E [mailto:MelissaAdams@washgas.com]

Sent: Thursday, March 17, 2016 7:46 AM **To:** Bylin, Carey < Bylin.Carey@epa.gov>

Cc: Monroe, Jim <JMonroe@washgas.com>; Kelly, Hillery A <HKelly@washgas.com>

Subject: RE: EPA Methane Challenge Question from Washington Gas

Hi Carey,

Just checking in as to whether there are any more details available regarding the launch event on the 30th. We are very excited about participation and would like to issue company announcements. By this email, I am connecting you with my Corporate Communications colleague, Jim Monroe who would like to follow up with a few questions.

Thanks and look forward to seeing you soon.

Melissa

From: Bylin, Carey [mailto:Bylin.Carey@epa.gov]

Sent: Monday, March 7, 2016 2:23 PM

To: Adams, Melissa E < Melissa Adams@washgas.com >

Cc: Pryor, Justin < Pryor. Justin@epa.gov>

Subject: RE: EPA Methane Challenge Question from Washington Gas

Melissa.

Good to speak with you just now. Per our discussion, please find attached the Word version of the Partnership Agreement and the Launch Fact Sheet. Please let me know if you have any other questions. We are very pleased that you plan to join as a founding partner and look forward to working with you on this.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Adams, Melissa E [mailto:MelissaAdams@washgas.com]

Sent: Thursday, March 03, 2016 11:35 AM **To:** Bylin, Carey < Bylin. Carey@epa.gov >

Subject: EPA Methane Challenge Question from Washington Gas

Hi Carey,

• • • • • Do we need to make formal arrangements regarding who will be representing us at

Thanks,

Melissa

Melissa E. Adams

Washington Gas

Div. Head, Corporate Social Responsibility & Sustainability

the kick off (me) and may we bring other staff members?

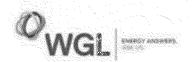
(703) 750-4530 Work

(703) 843-3664 Mobile

MelissaAdams@washgas.com

6801 Industrial Road

Springfield, VA 22151



To: Patni, Sonal[S1PW@pge.com]; Howe, James[JYHC@pge.com]

From: Bylin, Carey

Sent: Thur 3/17/2016 12:36:36 AM

Subject: RE: Methane Challenge definition of Distribution Blowdowns

Hi Sonal and Jim,

Thank you for following up on this. I'm not sure how the Methane Challenge facility definitions are different from Subpart W facility definitions; that was certainly not our intention. I've copied the definitions from our final Supplementary Technical Information documents below for reference. We welcome more specific feedback on the referenced inconsistency if we need to make a change.

Is the issue that PG&E is a distribution company but your >60 pipeline is a transmission pipeline? For us it is fine of you commit to some sources in the distribution segment and others (pipeline blowdowns) in the transmission segment. Note that we have now finalized technical details for transmission pipeline blowdowns (please see https://www3.epa.gov/gasstar/documents/MC_Onshore_Supp_Tech_Info.pdf). The transmission/distribution blowdown commitments are very similar; the main difference comes in the reporting table, since transmission pipeline blowdowns are now reported under Subpart W and distribution pipeline blowdowns are not.

I'm not sure if I've clarified the issue. I'm happy to have another call if needed.

Natural Gas Distribution Segment and Facility Definition

For purposes of the Methane Challenge Program, natural gas distribution means the distribution pipelines and metering and regulating equipment at metering-regulating stations that are operated by a Local Distribution Company (LDC) within a single state that is regulated as a separate operating company by a public utility commission or that is operated as an independent municipally-owned distribution system. This segment also excludes customer meters and regulators, infrastructure, and pipelines (both interstate and intrastate) delivering natural gas directly to major industrial users and farm taps upstream of the local distribution company inlet.

A natural gas distribution facility for the purposes of reporting under the Methane Challenge is the collection of all distribution pipelines and metering-regulating stations that are operated by an LDC within a single state that is regulated as a separate operating company by a public utility commission or that are operated as an independent municipally-owned distribution system.

Onshore Natural Gas Transmission Pipeline

For purposes of the Methane Challenge Program, onshore natural gas transmission pipeline means all natural gas pipelines that are a Federal Energy Regulatory Commission rate-regulated Interstate pipeline, a state rate-regulated Intrastate pipeline, or a pipeline that falls under the "Hinshaw Exemption" as referenced in section 1(c) of the Natural Gas Act, 15 I.S.C. 717-717(w)(1994).

An onshore natural gas transmission pipeline facility for the purpose of reporting under the Methane Challenge is the total U.S. mileage of natural gas transmission pipelines owned or operated by an onshore natural gas transmission pipeline owner or operator. If an owner or operator has multiple pipelines in the United States, the facility is considered the aggregate of those pipelines, even if they are not interconnected.

Ms. Carey Bylin

International Programs Leader, Oil and Gas

Natural Gas STAR Program

Global Methane Initiative

U.S. Environmental Protection Agency

Phone: +1-202-343-9669

Visiting Address & Private Deliveries (courier, FedEx etc.)

1201 Constitution Ave NW, Room Number 4353 UU, Washington DC 20004

U.S. Mail Address:

Mail Code 6207M, 1200 Pennsylvania Ave NW, Washington DC 20460



From: Patni, Sonal [mailto:S1PW@pge.com] Sent: Monday, March 14, 2016 12:21 PM

To: Bylin, Carey <Bylin.Carey@epa.gov>; Howe, James <JYHC@pge.com>

Subject: Methane Challenge definition of Distribution Blowdowns

Hi Carey,

Thanks again for chatting with both Jim and I last week about the methane challenge. I followed up with gas reporting and we are hoping you could provide some clarification on where we should report our transmission blowdowns. As I mentioned last week, PG&E defines transmission as over 60psi. Below are the comments provided from our reporting team. Thanks Carey!

"The Methane Challenge definition of a distribution system is not consistent with Subpart W.

Subpart W references 49 CFR 192.3 to define a distribution pipeline (i.e. a pipeline other than a gathering or transmission pipeline) and the transmission pipeline definition in Subpart W as follows:

"... a Federal Energy Regulatory Commission rate-regulated Interstate pipeline, a state rate-regulated Intrastate pipeline, or a pipeline that falls under the "Hinshaw Exemption" as referenced in section 1(c) of the Natural Gas Act, 15 U.S.C. 717-717 (w)(1994)."

Our transmission line is state rate-regulated intrastate pipeline and is based upon the >60 psi threshold."

Sonal Patni

PG&E| Gas Regulatory Strategy | Gas Regulatory Specialist 6121 Bollinger Canyon Rd Bldg Z, San Ramon, CA 94583 Ofc: 925-328-5778 | Cell: 925-817-7075 | s1pw@pge.com

Think and Act Safely